

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT



<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Myrin Livestock 2-20B3					
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> ALTAMONT					
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>					
<b>6. NAME OF OPERATOR</b> EP ENERGY E&P COMPANY, L.P.						<b>7. OPERATOR PHONE</b> 713 997-5038					
<b>8. ADDRESS OF OPERATOR</b> 1001 Louisiana, Houston, TX, 77002						<b>9. OPERATOR E-MAIL</b> maria.gomez@epenergy.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> FEE			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Myrin Livestock 2-20B3						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 4354543494					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> HC 65 Box 30, Altamont, UT 84001						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>					
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>		<b>RANGE</b>		<b>MERIDIAN</b>	
LOCATION AT SURFACE		2334 FSL 1926 FWL		NESW	20	2.0 S		3.0 W		U	
Top of Uppermost Producing Zone		1855 FSL 1820 FWL		NESW	20	2.0 S		3.0 W		U	
At Total Depth		1855 FSL 1820 FWL		NESW	20	2.0 S		3.0 W		U	
<b>21. COUNTY</b> DUCESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1820			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640					
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion)</b> 2000			<b>26. PROPOSED DEPTH</b> MD: 13316 TVD: 13300					
<b>27. ELEVATION - GROUND LEVEL</b> 5905			<b>28. BOND NUMBER</b> 400JU0708			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Duchesne City					
<b>Hole, Casing, and Cement Information</b>											
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>	
COND	17.5	13.375	0 - 800	54.5	J-55 ST&C	8.8	Class G	1000	1.15	15.8	
SURF	12.25	9.625	0 - 5200	40.0	N-80 LT&C	9.7	Type V	693	2.37	12.0	
							Class G	803	1.31	14.3	
I1	8.75		0 - 10316	29.0	HCP-110 LT&C	11.5	Class G	314	1.91	12.5	
							Class G	286	1.64	13.0	
L1	6.125	5	10116 - 13316	18.0	HCP-110 LT&C	13.8	Class G	190	14.2	1.47	
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Maria S. Gomez			<b>TITLE</b> Principal Regulatory Analyst			<b>PHONE</b> 713 997-5038					
<b>SIGNATURE</b>			<b>DATE</b> 09/22/2014			<b>EMAIL</b> maria.gomez@epenergy.com					
<b>API NUMBER ASSIGNED</b> 43013531560000						<b>APPROVAL</b>					

**Received: November 13, 2014**

**Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W  
DUCHESNE COUNTY, UT**

**EP ENERGY E&P COMPANY, L.P.**

**DRILLING PROGRAM**

**1. Estimated Tops of Important Geologic Markers**

<u>Formation</u>	<u>Depth</u>
Green River (GRRV)	5,232' TVD
Green River (GRTN1)	6,155' TVD
Mahogany Bench	7,152' TVD
L. Green River	8,482' TVD
Wasatch	10,232' TVD
T.D. (Permit)	13,300' TVD / +/- 13,316' MD

**2. Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River (GRRV)	5,232' MD/TVD
	Green River (GRTN1)	6,157' MD / 6,155' TVD
	Mahogany Bench	7,158' MD / 7,152' TVD
Oil	L. Green River	8,492' MD / 8,482' TVD
Oil	Wasatch	10,248' MD / 10,232' TVD

**3. Pressure Control Equipment: (Schematic Attached)**

A Diverter Stack on structural pipe from surface to 800' MD/TVD. A 4.5" by 13-3/8" Diverter Stack w/ rotating head from 800' MD/TVD to 5,300' MD/TVD on Conductor. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 5,300' MD/TVD to 10,316' MD/ 10,300' TVD. A 10M BOP stack w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 10,316' MD/ 10,300' TVD to TD (13,316' MD / 13,300' TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

**OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:**

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nipped up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing

will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from surface shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

**Statement on Accumulator System and Location of Hydraulic Controls:**

Precision 404 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

**Auxiliary Equipment:**

- A) Pason Gas Monitoring 800' - TD
- B) Mud logger with gas monitor – 5,300' to TD
- C) Choke manifold with one manual and one hydraulic operated choke
- D) Full opening floor valve with drill pipe thread
- E) Upper and lower Kelly cock
- F) Shaker, de-sander and centrifuge

**4. Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.

All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

**5. Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	8.8 – 9.7
Intermediate	WBM	9.7 – 11.5
Production	WBM	12.0 – 13.8

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program:**

Logs:

Mud Log: 5,300' MD/TVD – TD

Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 13,300' TVD equals approximately 9,544 psi. This is calculated based on a 0.7176 psi/ft gradient (13.8 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 6,618 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 10,300' TVD = 8,240 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 6,618 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**



## Drilling Schematic

<b>Company Name:</b> EP ENERGY	<b>Date:</b> September 12, 2014
<b>Well Name:</b> Myrin Livestock 2-20B3	<b>TD:</b> 13,316
<b>Field, County, State:</b> Altamont, Duchesne, Utah	<b>AFE #:</b> TBD
<b>Surface Location:</b> Sec 20 T2S R3W 2334' FSL 1926' FWL	<b>BHL:</b> Sec 20 T2S R3W 1855' FSL 1820' FWL
<b>Objective Zone(s):</b> Green River, Wasatch	<b>Elevation:</b> 5904.6
<b>Rig:</b> Precision 404	<b>Spud (est.):</b> TBD
<b>BOPE Info:</b> 4.5 x 13 3/8 Diverter System w/ rotating head from 800' to 5,300' . 11 10M BOPE w/ rotating head & 5M annular from 5,300' to 10,316' . 11 10M BOPE w/ rotating head, spacer spool, 5M annular, flex rams, blind rams, single w/ flex rams from 10,316' to TD	

## MECHANICAL

LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		800' MD/TVD		13 3/8" 54.5# J-55 STC	
		Base MSGW 2622'	12-1/4"	9-5/8" 40# N 80 LTC	8.8 - 9.7 ppg WBM
		Green River (GRRV) 5232'	TOC @ 4800		
		5,300' MD/TVD			
		Mud Logger @ 5,300'	FIT to 0.8 psi/ft		
		Kick off @ 5300' and build @ 1.5°/100' to a 4.78°. Hold 4.78° to 9,997' MD. Drop angle back to 0° @ 1.5°/100' & be vertical @ 10,316' MD.			
		Green River (GR11) 7155'	8-3/4"	7" 29# HCP-110 LTC	9.7 - 11.5 ppg WBM
		Mahogany Bench 7152'			
		Lower Green River (TGR3) 8482'			
		Wasatch (W090TU2) 10232'	TOL @ 10116 TOC @ 10116		
		10,316' MD/ 10,300' TVD	FIT to 0.8 psi/ft		
			6-1/8"	5" 18# HCP-110 STL	12.0 - 13.8 ppg WBM
		13,316' MD/ 13,300' TVD			

**DRILLING PROGRAM**

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	800	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	5300	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	10316	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5"	10116	13316	18.00	HCP-110	STL	13,940	15,450	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		800	Class G + 3% CACL2	1000	100%	15.8 ppg	1.15
SURFACE	Lead	4,800	EXTENDACEM SYSTEM: Type V Cement + 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 8% Bentonite + 0.3% D-AIR 5000	781	75%	11.0 ppg	3.18
	Tail	500	HALCEM SYSTEM: Class G Cement + 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.3% D-AIR 5000	194	50%	14.3 ppg	1.31
INTERMEDIATE	Lead	3,166	EXTENDACEM SYSTEM: Class G Cement + 6% Bentonite + 0.2% Econolite + 0.3% Versaset + 0.75% HR-5 + 0.3% Super CBL + 0.2% Halad-322 + 0.125 lb/sk Poly-E-Flake	286	30%	12.5 ppg	1.91
	Tail	2,350	EXPANDACEM SYSTEM: Class G Cement + 4% Bentonite + 0.25 Poly-E-Flake + 0.1% Halad-413 + 0.125 lb/sk Silicalite Compacted + 0.15% SA-1015 + 0.3% HR-5	286	30%	13.0 ppg	1.64
PRODUCTION LINER		3,200	EXTENDACEM SYSTEM: Class G Cement + 0.2% Super CBL + 0.55% SCR-100 + 0.3% Halad-413 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SS-200 + 0.10% SA-1015	190	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at +/- 8,450'.
LINER	Float shoe, 1 joint, float collar, 1 joint, 1 landing collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Bob Dodd

**EP ENERGY E&P COMPANY, L.P.**  
**MYRIN LIVESTOCK 2-20B3 LOCATION**

**SECTION 20, T2S, R3W, U.S.B.&M.**

PROCEED IN AN EASTERLY THENCE SOUTHERLY THENCE SOUTHEASTERLY DIRECTION FROM ALTAMONT, UTAH ALONG HIGHWAY 87 APPROXIMATELY 6.0 MILES TO THE JUNCTION OF HIGHWAY 87 AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE MYRIN LIVESTOCK 2-20B3 LOCATION TO THE SOUTHWEST; FOLLOW THE PROPOSED ROAD STAKES IN A SOUTHWESTERLY THENCE NORTHWESTERLY THENCE WESTERLY DIRECTION APPROXIMATELY 5,433' (1.0 MILES) TO THE PROPOSED MYRIN LIVESTOCK 2-20B3 LOCATION.

TOTAL DISTANCE FROM ALTAMONT, UTAH TO THE PROPOSED MYRIN LIVESTOCK 2-20B3 LOCATION IS APPROXIMATELY 7.3 MILES.

**Returned Unapproved**

## Location Photos

### Center Stake

Looking Westerly

Date Photographed: 08-07-14

Photographed By : G.D.O.



### Access

Looking Southwesterly

Date Photographed: 06-25-14

Photographed By : K.G.S.



**Tri State  
Land Surveying, Inc.**

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

DRAWN BY: A.P.C. REVISED:  
DATE: 08-06-14

## EP ENERGY E&P COMPANY, L.P.

Proposed Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W, U.S.B.&M.  
Duchesne County, UT.

COLOR PHOTOGRAPHS

SHEET  
**P1**

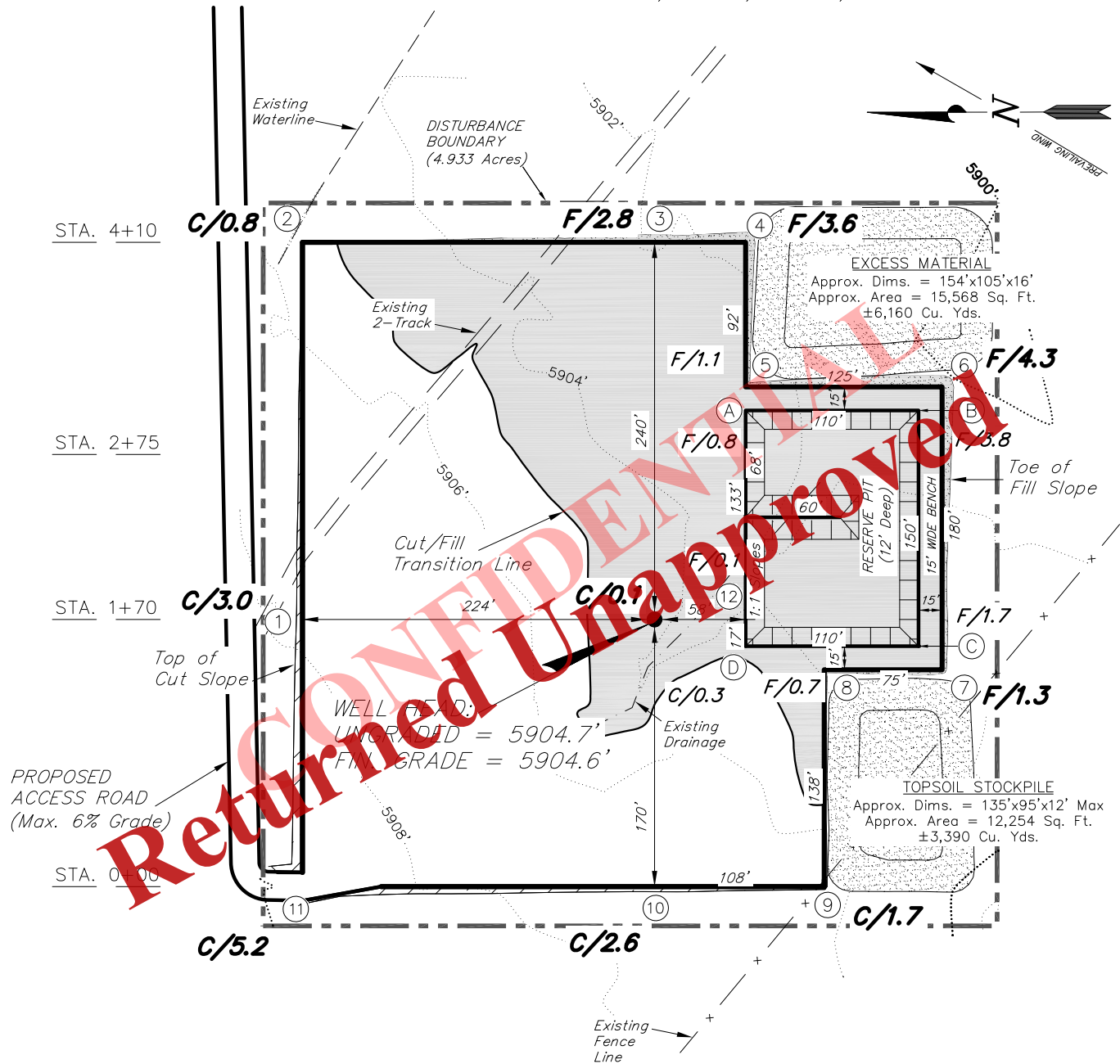
Received: September 22, 2014



PROPOSED LOCATION LAYOUT

MYRIN LIVESTOCK 2-20B3

Pad Location: NESW Section 20, T2S, R3W, U.S.B.&M.



NOTE:

The topsoil & excess material areas are calculated as being mounds containing 9,550 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

REFERENCE POINTS

243' NORTHERLY - 5907.7'  
274' NORTHERLY - 5908.9'  
290' EASTERLY - 5901.9'  
340' EASTERLY - 5901.4'

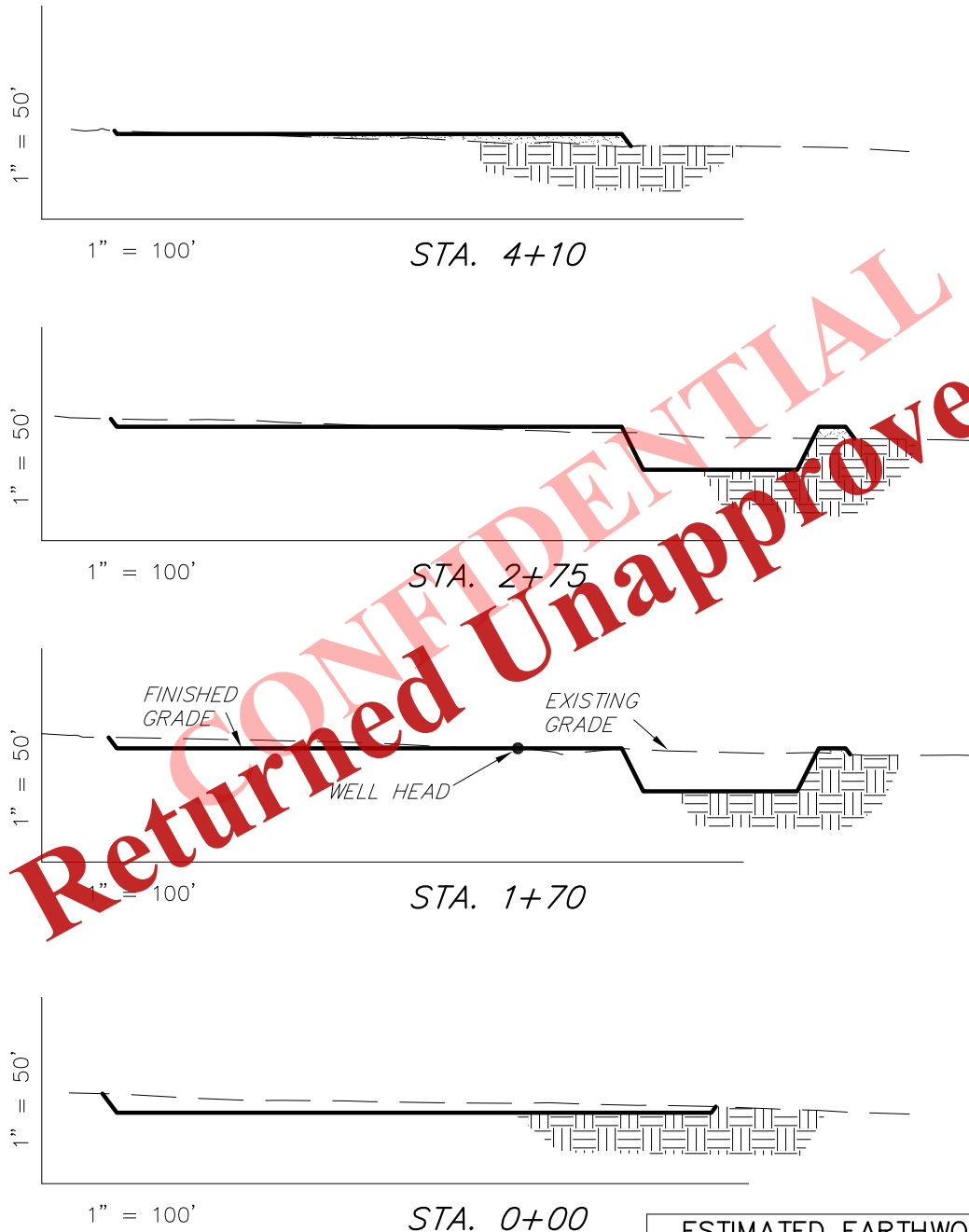
SURVEYED BY:	K.G.S.	DATE SURVEYED:	07-23-14
DRAWN BY:	L.K.	DATE DRAWN:	08-01-14
SCALE:	1" = 100'	REVISED:	

**Tri State**  
Land Surveying, Inc.  
(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

CROSS SECTIONS

MYRIN LIVESTOCK 2-20B3

Pad Location: NESW Section 20, T2S, R3W, U.S.B.&M.



NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,940	2,940	Topsoil is not included in Pad Cut Volume	0
PIT	5,600	0		5,600
TOTALS	8,540	2,940	3,080	5,600

SURVEYED BY: K.G.S. DATE SURVEYED: 07-23-14  
DRAWN BY: L.K. DATE DRAWN: 08-01-14  
SCALE: 1" = 100' REVISED:

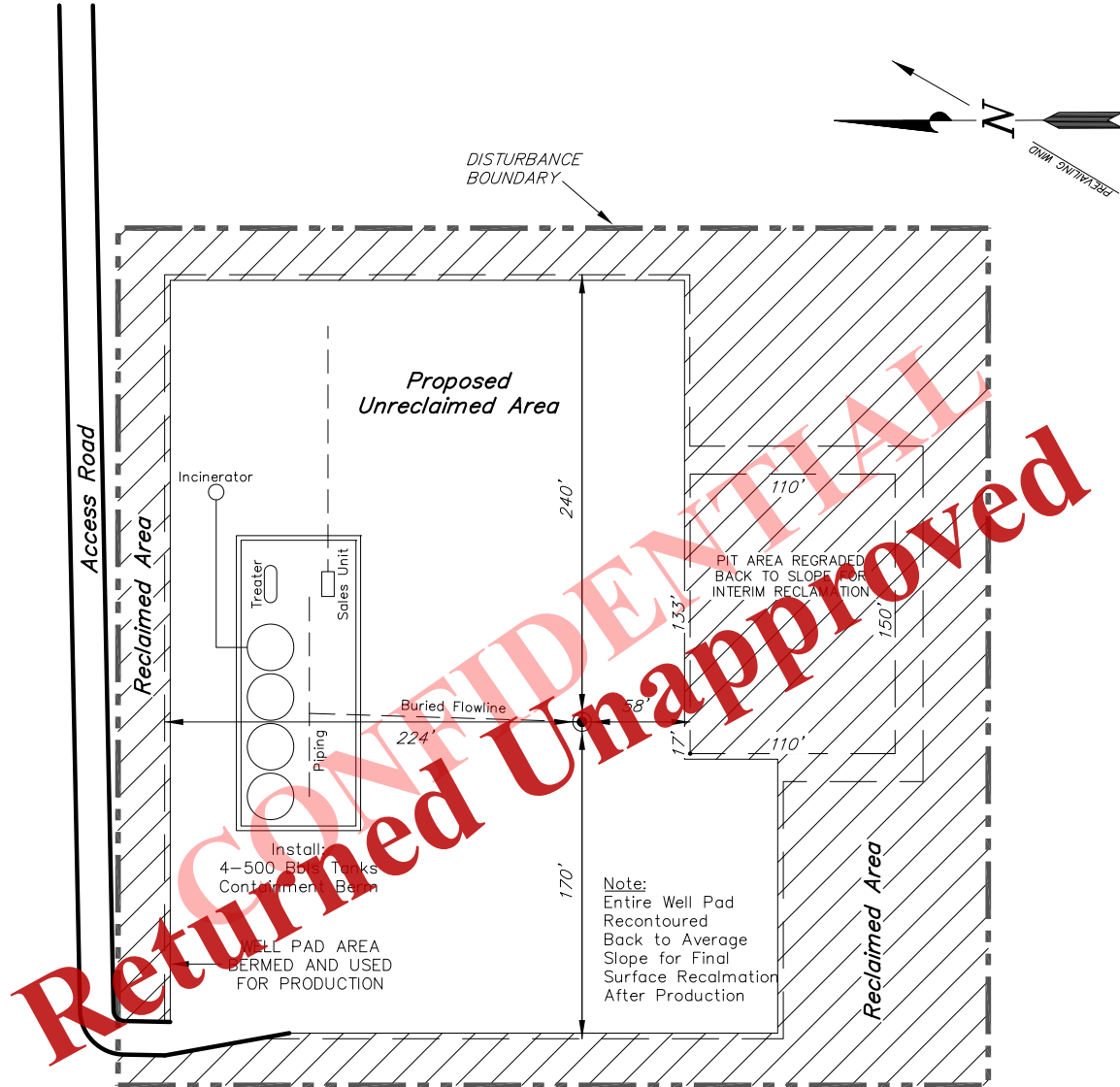
Tri State  
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(435) 781-2501  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Pad Location: NESW Section 20, T2S, R3W, U.S.B.&M.

RECLAMATION LAYOUT

MYRIN LIVESTOCK 2-20B3

Pad Location: NESW Section 20, T2S, R3W, U.S.B.&M.



Notes:

1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

DISTURBED AREA:

TOTAL DISTURBED AREA = 4.93 ACRES  
 TOTAL RECLAIMED AREA = 2.20 ACRES  
 UNRECLAIMED AREA = 2.73 ACRES

SURVEYED BY:	K.G.S.	DATE SURVEYED:	07-23-14
DRAWN BY:	L.K.	DATE DRAWN:	08-01-14
SCALE:	1" = 100'	REVISED:	

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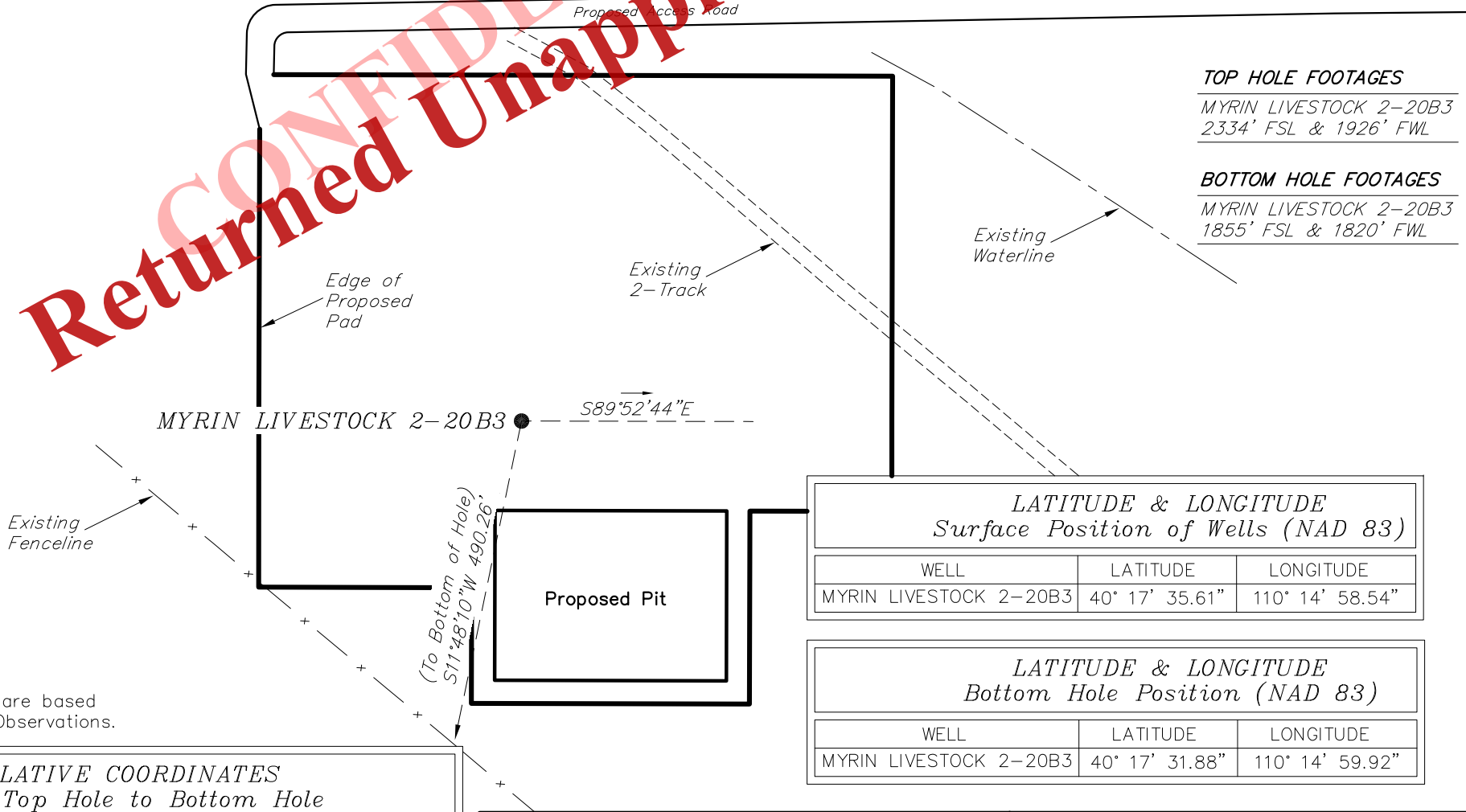
# EP ENERGY E&P COMPANY, L.P.

## WELL PAD INTERFERENCE PLAT

### MYRIN LIVESTOCK 2-20B3

Pad Location: NESW Section 20, T2S, R3W, U.S.B.&M.

1/4 Section Line



#### Note:

Bearings are based on GPS Observations.

SURVEYED BY: K.G.S. DATE SURVEYED: 07-23-14  
DRAWN BY: L.K. DATE DRAWN: 08-01-14  
SCALE: 1" = 100' REVISED:

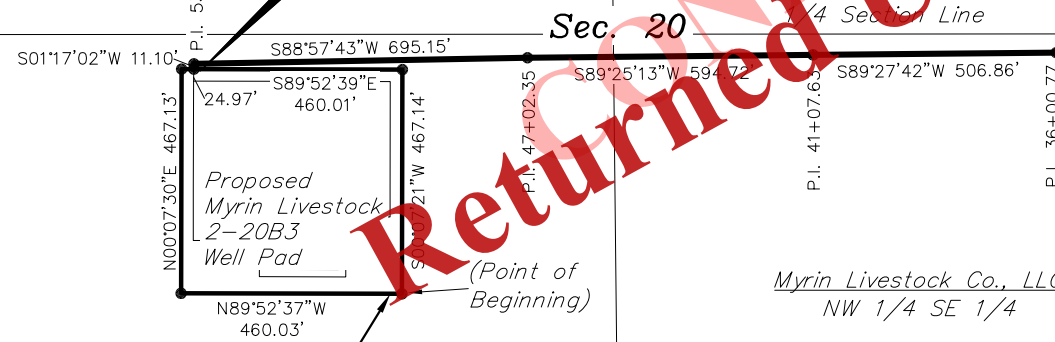
**Tri State** (435) 781-2501  
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180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Received: September 22, 2014

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N55°52'38"W 3747.06' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE N89°52'37"W 460.03'; THENCE N00°07'30"E 467.13'; THENCE S89°52'39"E 460.01'; THENCE S00°07'21"W 467.14' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 4.933 ACRES MORE OR LESS.

NW 1/4  
END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 54+08.60  
(At Surface Use Area)



**SURFACE USE AREA**  
**MYRIN LIVESTOCK**  
**2-20B3**  
(Contains 4.933 Acres)  
Myrin Livestock Co., LLC  
NE 1/4 SW 1/4

CORNER TIE NOTE:

The Southeast Corner (Point of Beginning) of the Surface Use Area bears N55°52'38"W 3747.06' from the Southeast Corner of Section 20.

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66' WIDE RIGHT-OF-WAY LOCATED IN SECTIONS 21 & 20, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 33' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 21, T2S, R3W, U.S.B.&M. WHICH BEARS N38°34'38"E 841.05' FROM THE SOUTHWEST CORNER OF SAID SECTION 21, THENCE S69°11'40"W 77.57'; THENCE S79°44'25"W 89.38'; THENCE S74°28'04"W 202.05'; THENCE N73°42'00"W 58.89'; THENCE N34°02'28"W 62.44'; THENCE N25°52'08"W 186.56'; THENCE N30°20'46"W 9.31' TO A POINT ON THE EAST LINE OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N00°35'20"W 804.14' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE N30°20'46"W 296.20'; THENCE N34°17'06"W 353.88'; THENCE N44°53'11"W 82.38'; THENCE S87°53'23"W 72.51'; THENCE S66°35'47"W 82.48'; THENCE S70°58'04"W 73.27'; THENCE S85°04'46"W 74.31'; THENCE N89°11'26"W 107.86'; THENCE N80°21'03"W 112.35'; THENCE N58°15'53"W 250.30'; THENCE N58°13'55"W 199.99'; THENCE N02°40'01"E 389.57'; THENCE N00°56'29"E 220.82'; THENCE N49°01'53"W 598.65'; THENCE S89°27'42"W 506.86'; THENCE S89°25'13"W 594.72'; THENCE S88°57'43"W 695.15'; THENCE S01°17'02"W 11.10' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 20 WHICH BEARS N53°59'06"W 4370.85' FROM THE SAID SOUTHEAST CORNER OF SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SAID EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 8.195 ACRES MORE OR LESS.

Section Line

S89°45'50"W - 5266.27' (Meas.)

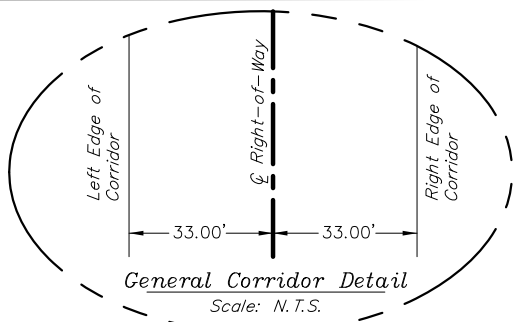
Southwest Corner  
Section 20  
(Proportioned Using  
Double Proportion  
Methad (Not Set))

NE 1/4

LEGEND

- ◆ = SECTION CORNERS FOUND
- P.I. = POINT OF INTERSECTION
- P.O.S.L. = POINT ON SECTION LINE
- = EXISTING PIPELINE

Northeast Corner  
Section 20  
(Aluminum Cap)



Myrin Livestock Co., LLC  
NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

NE 1/4 SE 1/4

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NE 1/4 SE 1/4

NE 1/4 SE 1/4

RIGHT-OF-WAY LENGTHS

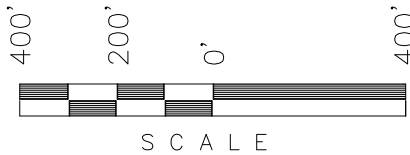
MYRIN LIVESTOCK CO., LLC, SECTION 21	=	686.20'
MYRIN LIVESTOCK CO., LLC, SECTION 20	=	4,722.40'
TOTAL	=	5,408.60'

EP ENERGY E&P COMPANY, L.P.

PROPOSED ACCESS ROAD AND POWER  
LINE CORRIDOR RIGHT-OF-WAY AND  
SURFACE USE AREA  
ON FEE LANDS

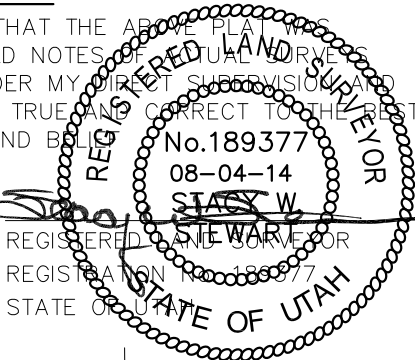
FOR THE MYRIN LIVESTOCK 2-20B3 WELL PAD

Located in  
Sections 20 & 21, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF SURVEY  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



Sec. 21

BEGINNING OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+00  
(At Existing Road)

Myrin Livestock Co., LLC  
SW 1/4 SW 1/4

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0173

**Tri State**  
Land Surveying, Inc.

(435) 781-2501

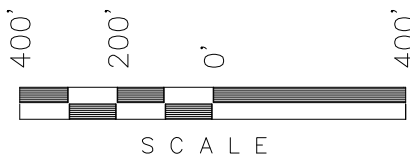
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

EP ENERGY E&P COMPANY, L.P.

PROPOSED RIGHT-OF-WAY  
ON FEE LANDS

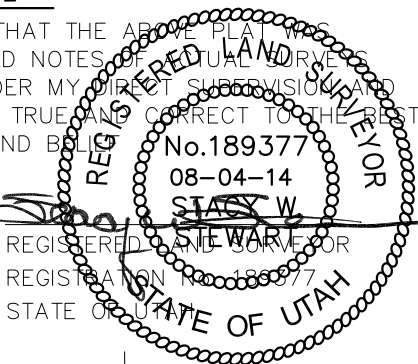
THE MYRIN LIVESTOCK CO., LLC PROPERTY

Located in  
Section 20, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF MEASUREMENTS  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



Sec. 21

BEGINNING OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+00  
(At Existing Road)

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0175

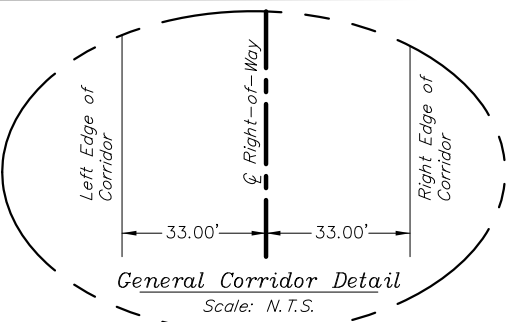
Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

LEGEND

- ◆ = SECTION CORNERS FOUND  
P.I. = POINT OF INTERSECTION  
P.O.S.L. = POINT ON SECTION LINE



Myrin Livestock Co., LLC  
NE 1/4 SE 1/4

Myrin Livestock Co., LLC  
SE 1/4 SE 1/4

CORNER TIE NOTE:

End Sta. 54+08.60 bears  
N53°59'06"W 4370.85' from  
the Southeast Corner of  
Section 20.

Myrin Livestock Co., LLC  
NW 1/4 SE 1/4

Centerline of  
Proposed Corridor  
Right-of-Way

END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 54+08.60  
(At Surface Use Area)

CORNER TIE NOTE:

The Southeast Corner (Point of  
Beginning) of the Surface Use Area  
bears N55°52'38"W 3747.06' from the  
Southeast Corner of Section 20.

Myrin Livestock Co., LLC  
NE 1/4 SW 1/4

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66' WIDE RIGHT-OF-WAY LOCATED IN SECTIONS 21 & 20, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 33' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 21, T2S, R3W, U.S.B.&M. WHICH BEARS N38°34'38"E 841.05' FROM THE SOUTHWEST CORNER OF SAID SECTION 21, THENCE S69°11'40"W 77.57'; THENCE S79°44'25"W 89.38'; THENCE S74°28'04"W 202.05'; THENCE N73°42'00"W 58.89'; THENCE N34°02'28"W 62.44'; THENCE N25°52'08"W 186.56'; THENCE N30°20'46"W 9.31' TO A POINT ON THE EAST LINE OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N00°35'20"W 804.14' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE N30°20'46"W 296.20'; THENCE N34°17'06"W 353.88'; THENCE N44°53'11"W 82.38'; THENCE S87°53'23"W 72.51'; THENCE S66°35'47"W 82.48'; THENCE S70°58'04"W 73.27'; THENCE S85°04'46"W 74.31'; THENCE N89°11'26"W 107.86'; THENCE N80°21'03"W 112.35'; THENCE N58°15'53"W 250.30'; THENCE N58°13'55"W 199.99'; THENCE N02°40'01"E 389.57'; THENCE N00°56'29"E 220.82'; THENCE N49°01'53"W 598.65'; THENCE S89°27'42"W 506.86'; THENCE S89°25'13"W 594.72'; THENCE S88°57'43"W 695.15'; THENCE S01°17'02"W 11.10' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 20 WHICH BEARS N53°59'06"W 4370.85' FROM THE SAID SOUTHEAST CORNER OF SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SAID EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 8.195 ACRES MORE OR LESS.

S89°45'50"W - 5266.27' (Meas.)

TOTAL RIGHT-OF-WAY LENGTH = 5,408.60'

Southwest Corner  
Section 20  
(Proportioned Using  
Double Proportion  
Method (Not Set))

Received: September 22, 2014



BASIS OF BEARINGS NOTE:

BASIS OF BEARINGS IS THE EAST LINE OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17' (THE NORTHEAST CORNER OF SECTION 20 BEING AN ALUMINUM CAP AND THE SOUTHEAST CORNER OF SECTION 20 BEING AN, ALUMINUM CAP).

Myrin Livestock Co., LLC  
SE 1/4 NW 1/4

CORNER TIE NOTE:

End Sta. 2+41.37 bears  
N50°35'43"W 4047.25' from the  
Southeast Corner of Section 20.

1/4 Section Line

CORNER TIE NOTE:

Beginning Sta. 0+00 bears  
N48°09'13"W 4212.47' from the  
Southeast Corner of Section 20.

BEGINNING OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+00

(At Proposed Road for the  
Myrin Livestock 4-20B3)

Centerline of  
Proposed Corridor  
Right-of-Way

END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 2+41.37

(At Surface Use Area)

Proposed Road for the  
Myrin Livestock 4-20B3

S02°36'44"E 133.21'  
P.I. 1+33.21  
S02°29'29"E 108.16'

Existing  
Pipeline

Myrin Livestock Co., LLC  
NE 1/4 SW 1/4

Sec. 20

Proposed  
Myrin Livestock  
2-20B3  
Well Pad

25.12'

CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66' WIDE RIGHT-OF-WAY LOCATED IN SECTION 20, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 33' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

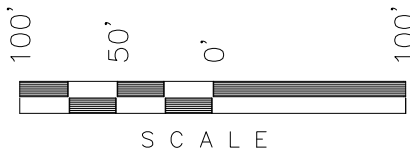
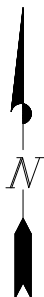
BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N48°09'13"W 4212.47' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE S02°36'44"E 133.21'; THENCE S02°29'29"E 108.16' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 20 WHICH BEARS N50°35'43"W 4047.25' FROM THE SAID SOUTHEAST CORNER OF SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SAID EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 0.366 ACRES MORE OR LESS.

EP ENERGY E&P COMPANY, L.P.

PROPOSED ACCESS ROAD AND POWER  
LINE CORRIDOR RIGHT-OF-WAY  
ON FEE LANDS

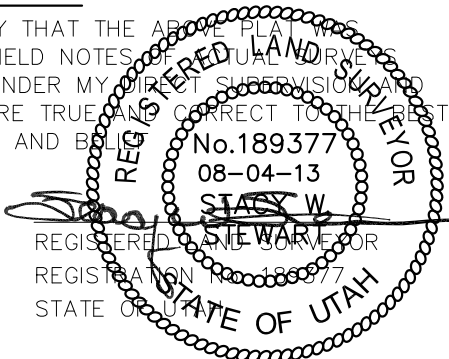
FOR THE MYRIN LIVESTOCK 2-20B3 WELL PAD

Located in  
Section 20, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah

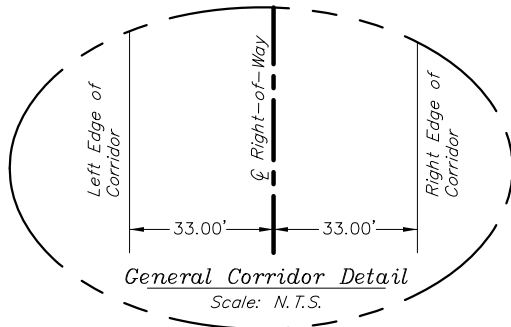


CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES, MEASUREMENTS,  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH



TOTAL RIGHT-OF-WAY LENGTH  
ON MYRIN LIVESTOCK = 241.37'

LEGEND

◆ = SECTION CORNERS FOUND  
P.I. = POINT OF INTERSECTION

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-04-12

SCALE: 1" = 100'

DWG #: 14-0218

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

Received: September 22, 2014

**BASIS OF BEARINGS NOTE:**

BASIS OF BEARINGS IS THE EAST LINE OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17' (THE NORTHEAST CORNER OF SECTION 20 BEING AN ALUMINUM CAP AND THE SOUTHEAST CORNER OF SECTION 20 BEING AN ALUMINUM CAP).

*Myrin Livestock Co., LLC*  
SE 1/4 NW 1/4

1/4 Section Line

*Myrin Livestock Co., LLC*  
NE 1/4 SW 1/4

Sec. 20

**CORNER TIE NOTE:**

Beginning Sta. 0+00 bears  
N48°09'13"W 4212.47' from the  
Southeast Corner of Section 20.

**BEGINNING OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+00**

(At Proposed Road for the  
Myrin Livestock 4-20B3)

**Centerline of  
Proposed Corridor  
Right-of-Way**

**END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 2+41.37**

(At Surface Use Area)

Proposed Road for the  
Myrin Livestock 4-20B3

P.I. 1+33.21

Existing  
Pipeline

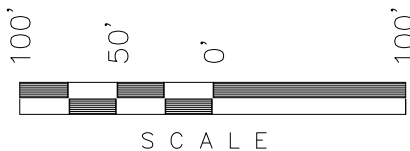
*EP Energy E&P Company, L.P.*  
4.933 Acres

**EP ENERGY E&P COMPANY, L.P.**

**PROPOSED RIGHT-OF-WAY  
ON FEE LANDS**

**THE MYRIN LIVESTOCK CO., LLC PROPERTY**

Located in  
Section 20, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



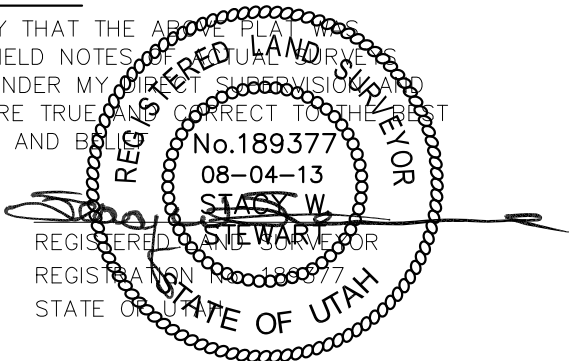
**CORRIDOR RIGHT-OF-WAY DESCRIPTION**

A 66' WIDE RIGHT-OF-WAY LOCATED IN SECTION 20, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 33' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

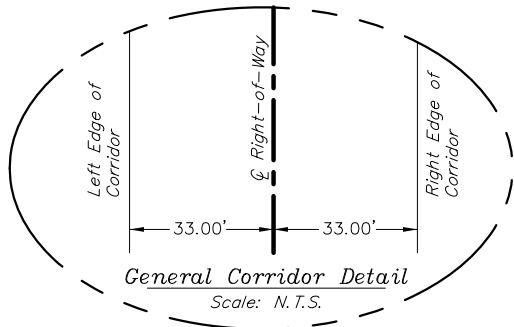
BEGINNING AT A POINT IN THE SE 1/4 NW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N48°09'13"W 4212.47' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE S02°36'44"E 133.21'; THENCE S02°29'29"E 108.16' TO A POINT IN THE NE 1/4 SW 1/4 OF SAID SECTION 20 WHICH BEARS N50°35'43"W 4047.25' FROM THE SAID SOUTHEAST CORNER OF SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE SAID EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 0.366 ACRES MORE OR LESS.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES, MEASUREMENTS, AND SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 189377  
STATE OF UTAH



**TOTAL RIGHT-OF-WAY LENGTH = 241.37'**

**LEGEND**

◆ = SECTION CORNERS FOUND  
P.I. = POINT OF INTERSECTION

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-04-14

SCALE: 1" = 300'

DWG #: 14-0219

**Tri State**  
*Land Surveying, Inc.*  
(435) 781-2501  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

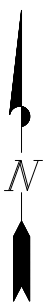
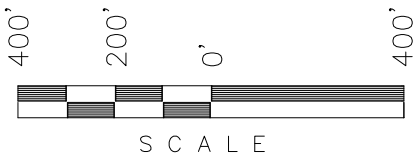
Received: September 22, 2014

EP ENERGY E&P COMPANY, L.P.

PROPOSED SURFACE USE AREA  
ON FEE LANDS

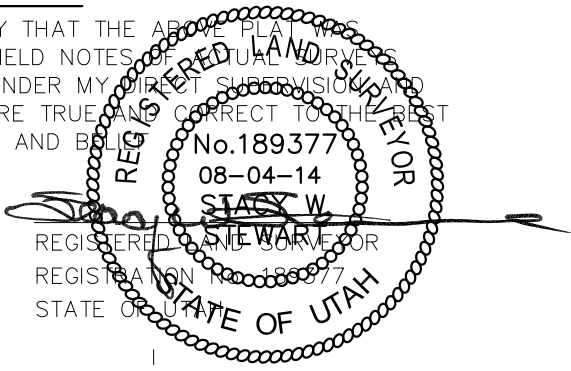
THE MYRIN LIVESTOCK CO., LLC PROPERTY

Located in  
Section 20, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF A SURVEY  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



SURFACE USE AREA  
EP ENERGY E&P  
COMPANY L.P.

(Contains 4.933 Acres)  
Myrin Livestock Co., LLC  
NE 1/4 SW 1/4

CORNER TIE NOTE:

The Southeast Corner (Point of  
Beginning) of the Surface Use Area  
bears N55°52'38"W 3747.06' from the  
Southeast Corner of Section 20.

SURFACE USE AREA DESCRIPTION

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH  
BEARS N55°52'38"W 3747.06' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE  
N89°52'37"W 460.03'; THENCE N00°07'30"E 467.13'; THENCE S89°52'39"E 460.01'; THENCE  
S00°07'21"W 467.14' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS THE EAST LINE OF  
SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR  
N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 4.933 ACRES MORE OR LESS.

LEGEND

- SECTION CORNERS FOUND
- P.I. = POINT OF INTERSECTION

S89°45'50"W - 5266.27' (Meas.)

Northeast Corner  
Section 20  
(Aluminum Cap)

Southeast Corner  
Section 20  
(Aluminum Cap)

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0176

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

FILE: \\LEWIS\drawings\EP ENERGY\2-20B3 (04-24-14)\dwg\SURFACE USE AREA.dwg

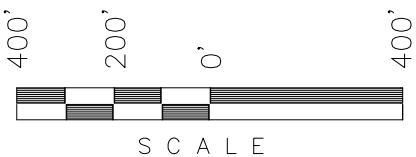
Received: September 22, 2014

EP ENERGY E&P COMPANY, L.P.

PROPOSED PIPELINE CORRIDOR  
RIGHT-OF-WAY  
ON FEE LANDS

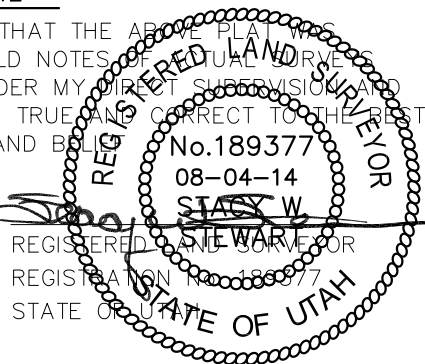
FOR THE MYRIN LIVESTOCK 2-20B3 WELL PAD

Located in  
Sections 20, 21 & 28, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD NOTES OF A FIELD SURVEY  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF



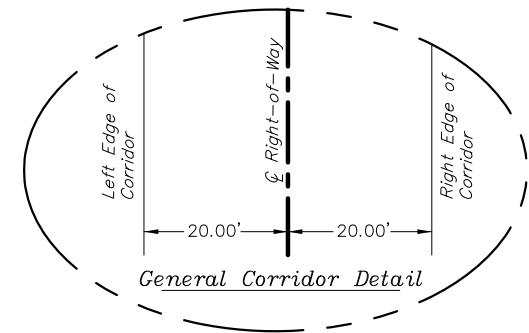
LEGEND

- = SECTION CORNERS FOUND
- P.I. = POINT OF INTERSECTION
- P.O.S.L. = POINT ON SECTION LINE

Northeast Corner  
Section 20  
(Aluminum Cap)

N00°35'20"W - 5289.17' (Meas.)  
(Basis of Bearings)

SW 1/4-  
Sec. 21



Southwest Corner  
Section 20  
(Proportioned Using  
Double Proportion  
Methad (Not Set))

Southeast Corner  
Section 20  
(Aluminum Cap)

SURVEYED BY: K.G.S.  
DRAWN BY: L.K.  
DATE: 08-01-14  
SCALE: 1" = 400'  
DWG #: 14-0177

**Tri State**  
Land Surveying, Inc.

(435) 781-2501  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

SHEET  
1  
OF  
2

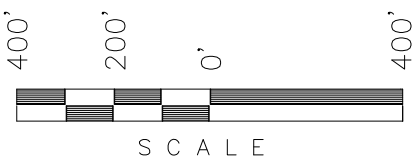


EP ENERGY E&P COMPANY, L.P.

PROPOSED PIPELINE CORRIDOR  
RIGHT-OF-WAY  
ON FEE LANDS

FOR THE MYRIN LIVESTOCK 2-20B3 WELL PAD

Located in  
Sections 20, 21 & 28, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



LEGEND

◆ = SECTION CORNERS FOUND  
P.I. = POINT OF INTERSECTION  
P.O.S.L. = POINT ON SECTION LINE

Southwest Corner  
Section 20  
(Proportioned Using  
Double Proportion  
Method (Not Set))

S89°45'50"W - 5266.27' (Meas.)

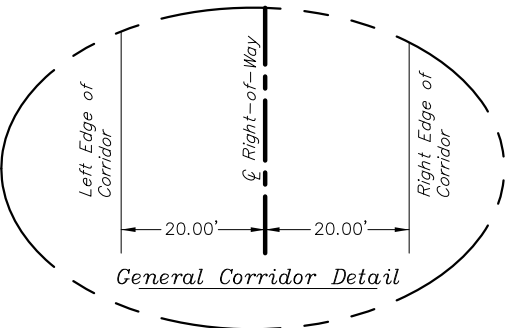
CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 40' WIDE RIGHT-OF-WAY LOCATED IN SECTIONS 20, 21 & 28, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 20' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE NE 1/4 SW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. WHICH BEARS N50°48'46"W 4000.92' FROM THE SOUTHEAST CORNER OF SAID SECTION 20, THENCE S89°59'07"E 319.72'; THENCE N04°07'57"E 57.86'; THENCE N89°45'06"E 530.97'; THENCE S89°56'37"E 538.10'; THENCE S68°10'38"E 69.68'; THENCE S49°02'27"E 512.57'; THENCE S00°56'32"W 235.26'; THENCE S02°40'28"W 372.44'; THENCE S58°16'25"E 182.29'; THENCE S58°14'34"E 250.32'; THENCE S36°54'13"E 81.00'; THENCE N87°18'33"E 329.43'; THENCE N69°42'27"E 100.24'; THENCE S31°32'22"E 260.92'; THENCE S31°24'41"E 565.17' TO A POINT ON THE WEST LINE OF SECTION 21, T2S, R3W, U.S.B.&M. WHICH BEARS N00°35'20"W 671.41' FROM THE SOUTHWEST CORNER OF SAID SECTION 21, THENCE S31°24'03"E 143.31'; THENCE S30°20'05"E 277.14'; THENCE S30°09'36"E 394.68' TO A POINT IN THE NW 1/4 NW 1/4 OF SECTION 28, T2S, R3W, U.S.B.&M. WHICH BEARS S85°34'42"E 407.24' FROM THE NORTHWEST CORNER OF SAID SECTION 28, THENCE S31°19'05"E 1454.00' TO A POINT IN THE SAID NW 1/4 NW 1/4 OF SECTION 28 WHICH BEARS S42°22'23"E 1723.86' FROM THE SAID NORTHWEST CORNER OF SECTION 28. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 6.130 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

MYRIN LIVESTOCK CO., LLC, SECTION 20	= 4,405.97'
MYRIN LIVESTOCK CO., LLC, SECTION 21	= 778.82'
MYRIN LIVESTOCK CO., LLC, SECTION 28	= 1,490.31'
TOTAL	= 6,675.10'



CORNER TIE NOTE:

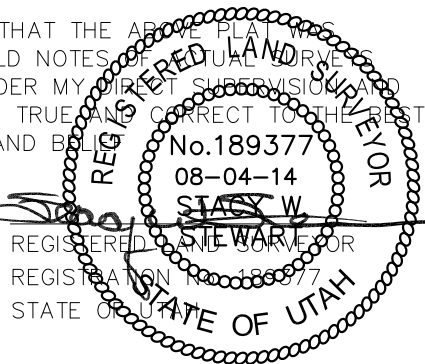
P.I. 52+46.40 bears  
S85°34'42"E 407.24' from  
the Southeast Corner of  
Section 20.

CORNER TIE NOTE:

End Sta. 67+00.40 bears  
S42°22'23"E 1723.86' from  
the Southeast Corner of  
Section 20.

END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 67+00.40  
(At Existing Pipeline)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF NATURAL CURVES  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0177

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

SHEET

2

OF

2

FILE: \\LEWIS\drawings\EP ENERGY\2-20B3 (04-24-14)\dwg\PIPELINE RIGHT OF WAY COMBINED 2.dwg

Received: September 22, 2014

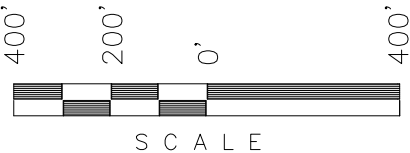


EP ENERGY E&P COMPANY, L.P.

PROPOSED  
RIGHT-OF-WAY  
ON FEE LANDS

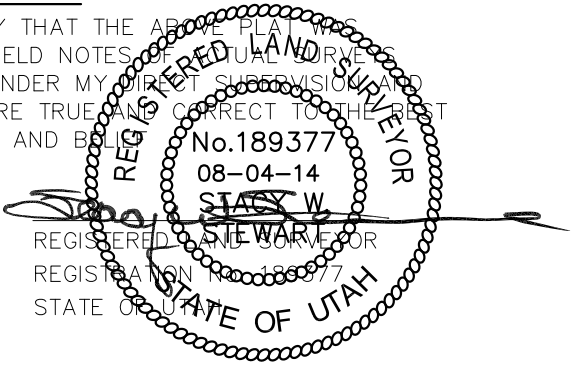
THE MYRIN LIVESTOCK CO., LLC PROPERTY

Located in  
Sections 20, 21 & 28, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS  
PREPARED FROM FIELD NOTES OF A FIELD SURVEY  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF



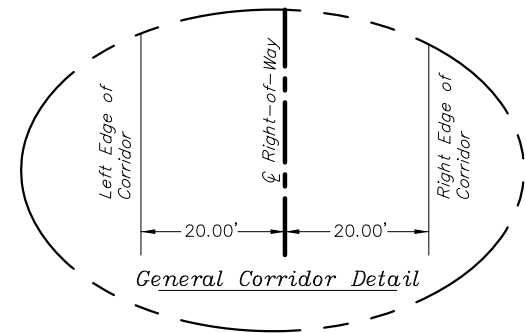
LEGEND

- = SECTION CORNERS FOUND
- P.I. = POINT OF INTERSECTION
- P.O.S.L. = POINT ON SECTION LINE

Northeast Corner  
Section 20  
(Aluminum Cap)

N00°35'20"W - 5289.17' (Meas.)  
(Basis of Bearings)

SW 1/4-  
Sec. 21



Centerline of  
Proposed Corridor  
Right-of-Way

Myrin Livestock Co., LLC  
SW 1/4 SW 1/4

Myrin Livestock Co., LLC  
SE 1/4 SE 1/4

Proposed Pipeline  
Continues on Fee Lands

Southeast Corner  
Section 20  
(Aluminum Cap)

SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0217

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

SHEET

1

OF

2

FILE: \\LEWIS\drawings\EP ENERGY\2-20B3 (04-24-14)\dwg\PIPELINE RIGHT OF WAY 1.dwg

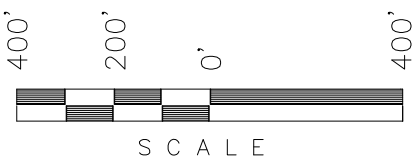
Received: September 22, 2014

EP ENERGY E&P COMPANY, L.P.

PROPOSED  
RIGHT-OF-WAY  
ON FEE LANDS

THE MYRIN LIVESTOCK CO., LLC PROPERTY

Located in  
Sections 20, 21 & 28, T2S, R3W, U.S.B.&M.  
Duchesne County, Utah



LEGEND

◆ = SECTION CORNERS FOUND  
P.I. = POINT OF INTERSECTION  
P.O.S.L. = POINT ON SECTION LINE

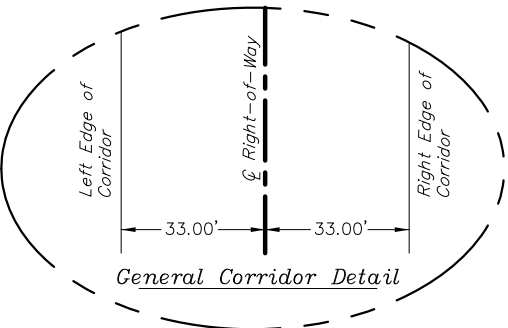
CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66' WIDE RIGHT-OF-WAY LOCATED IN SECTIONS 20, 21 & 28, T2S, R3W, U.S.B.&M. THE WIDTH OF SAID RIGHT-OF-WAY BEING 33' ON EACH SIDE OF THE CENTERLINE. THE CENTERLINE OF SAID RIGHT-OF-WAY BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT IN THE SW 1/4 SW 1/4 OF SECTION 21, T2S, R3W, U.S.B.&M. WHICH BEARS N38°34'38"E 841.05' FROM THE SOUTHWEST CORNER OF SAID SECTION 21, THENCE S89°59'07"E 319.72'; THENCE N04°07'57"E 57.86'; THENCE N89°45'06"E 530.97'; THENCE S89°56'37"E 538.10'; THENCE S68°10'38"E 69.68'; THENCE S49°02'27"E 512.57'; THENCE S00°56'32"W 235.26'; THENCE S02°40'28"W 372.44'; THENCE S58°16'25"E 182.29'; THENCE S58°14'34"E 250.32'; THENCE S36°54'13"E 81.00'; THENCE N87°18'33"E 329.43'; THENCE N69°42'27"E 100.24'; THENCE S31°32'22"E 260.92'; THENCE S31°24'41"E 565.17' TO A POINT ON THE WEST LINE OF THE SW 1/4 OF SECTION 21, T2S, R3W, U.S.B.&M. WHICH BEARS N00°35'20"W 671.41' FROM THE SOUTHWEST CORNER OF SAID SECTION 21, THENCE S31°24'03"E 143.31'; THENCE S30°20'05"E 277.14'; THENCE S30°09'36"E 394.68' TO A POINT IN THE NW 1/4 NW 1/4 OF SECTION 20, THENCE S31°19'05"E 1454.00' TO A POINT IN THE SAID NW 1/4 NW 1/4 OF SECTION 28 WHICH BEARS S42°22'23"E 1723.86' FROM THE SAID SOUTHEAST CORNER OF SECTION 20. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE EAST LINE OF SAID SECTION 20 WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'20"W A MEASURED DISTANCE OF 5289.17'. CONTAINS 10.114 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

MYRIN LIVESTOCK CO., LLC, SECTION 20	= 4,405.97'
MYRIN LIVESTOCK CO., LLC, SECTION 21	= 778.82'
MYRIN LIVESTOCK CO., LLC, SECTION 28	= 1,490.31'
TOTAL	= 6,675.10'



CORNER TIE NOTE:

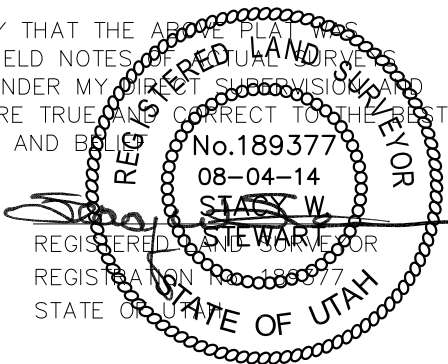
End Sta. 67+00.40 bears  
S42°22'23"E 1723.86' from  
the Southeast Corner of  
Section 20.

CORNER TIE NOTE:

P.I. 52+46.40 bears  
S85°34'42"E 407.24' from  
the Southeast Corner of  
Section 20.

END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 67+00.40  
(At Existing Pipeline)

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF A SURVEY  
MADE BY ME OR UNDER MY DIRECT SUPERVISION AND  
THAT THE SAME ARE TRUE AND CORRECT TO THE BEST  
OF MY KNOWLEDGE AND BELIEF.



SURVEYED BY: K.G.S.

DRAWN BY: L.K.

DATE: 08-01-14

SCALE: 1" = 400'

DWG #: 14-0217

Tri State  
Land Surveying, Inc.

(435) 781-2501

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078

SHEET

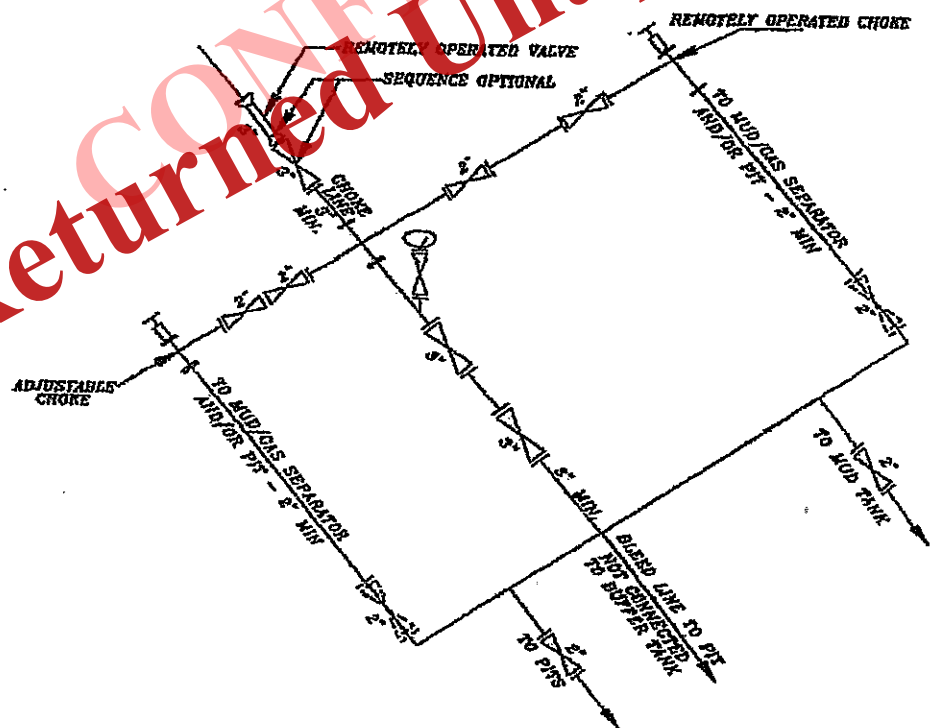
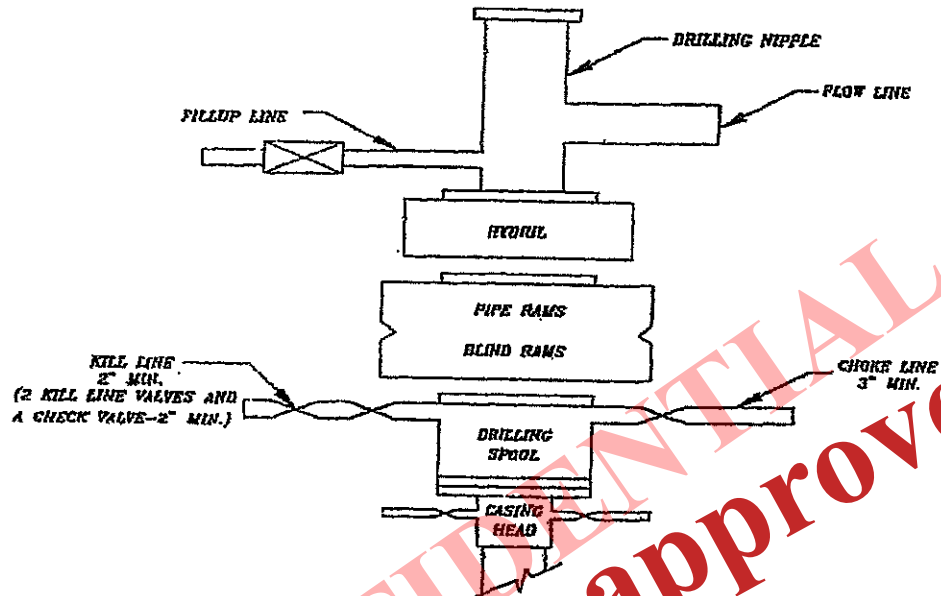
2

OF

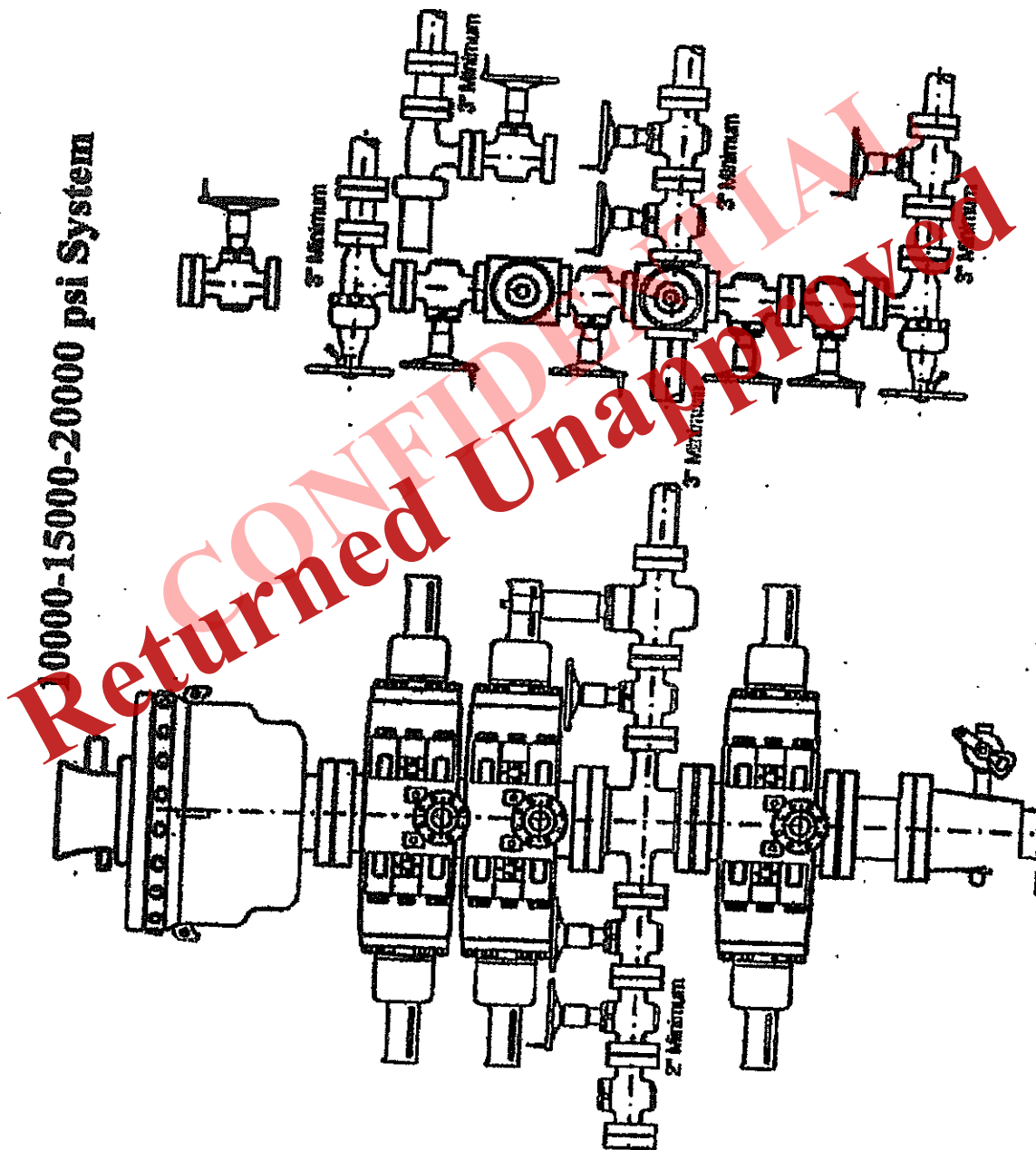
2

Received: September 22, 2014

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM

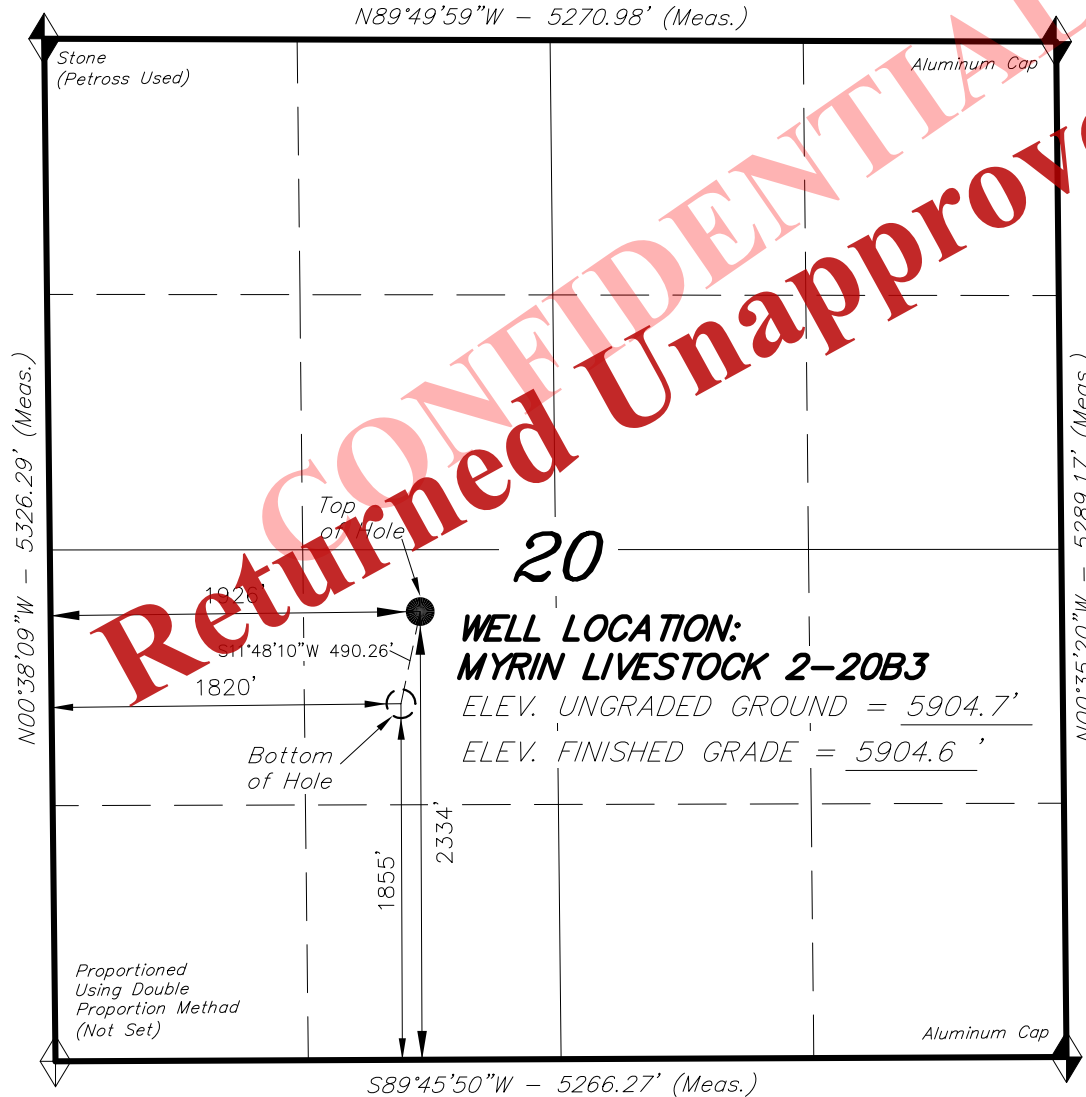


10000-15000-20000 psi System



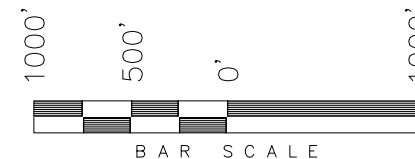
**T2S, R3W, U.S.B.&M.**

**EP ENERGY E&P COMPANY, L.P.**



WELL LOCATION, MYRIN LIVESTOCK 2-20B3, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, MYRIN LIVESTOCK 2-20B3, LOCATED AS SHOWN IN THE NE 1/4 SW 1/4 OF SECTION 20, T2S, R3W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

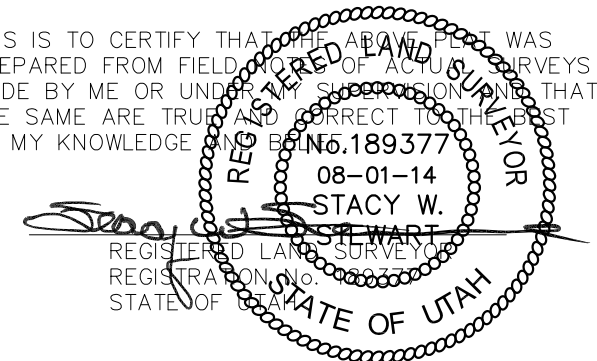


**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

◆ = SECTION CORNERS LOCATED

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°17'45.87" LONG. 110°23'30.60" (Tristate Aluminum Cap) NAD 83 Elev. 6604.28'

NAD 83 (SURFACE LOCATION)	
LATITUDE =	40°17'36.61" (40.293224°)
LONGITUDE =	110°14'58.54" (110.249593°)
NAD 27 (SURFACE LOCATION)	
LATITUDE =	40°17'36.77" (40.293268°)
LONGITUDE =	110°14'55.98" (110.248882°)
NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE =	40°17'31.88" (40.292189°)
LONGITUDE =	110°14'59.92" (110.249977°)
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE =	40°17'32.04" (40.292233°)
LONGITUDE =	110°14'57.36" (110.249266°)

**TRI STATE LAND SURVEYING & CONSULTING**

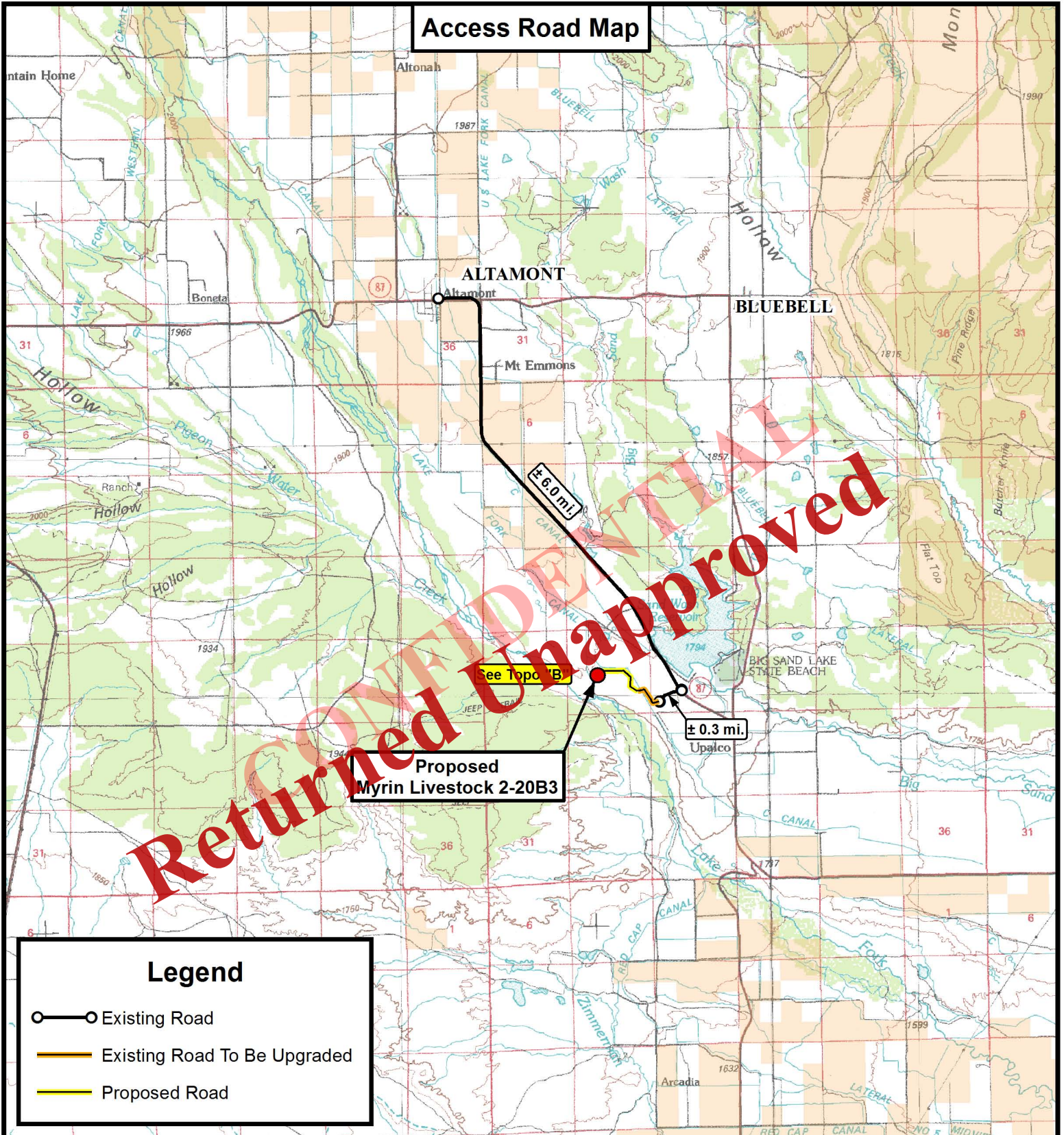
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED: 07-23-14	SURVEYED BY: K.G.S.
DATE DRAWN: 08-01-14	DRAWN BY: L.K.
REVISED:	SCALE: 1" = 1000'

**Received: September 22, 2014**



# Access Road Map



## Legend

- Existing Road
- Existing Road To Be Upgraded
- Proposed Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## EP ENERGY E&P COMPANY, L.P.

Proposed Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	08-06-14	
SCALE:	1:100,000	

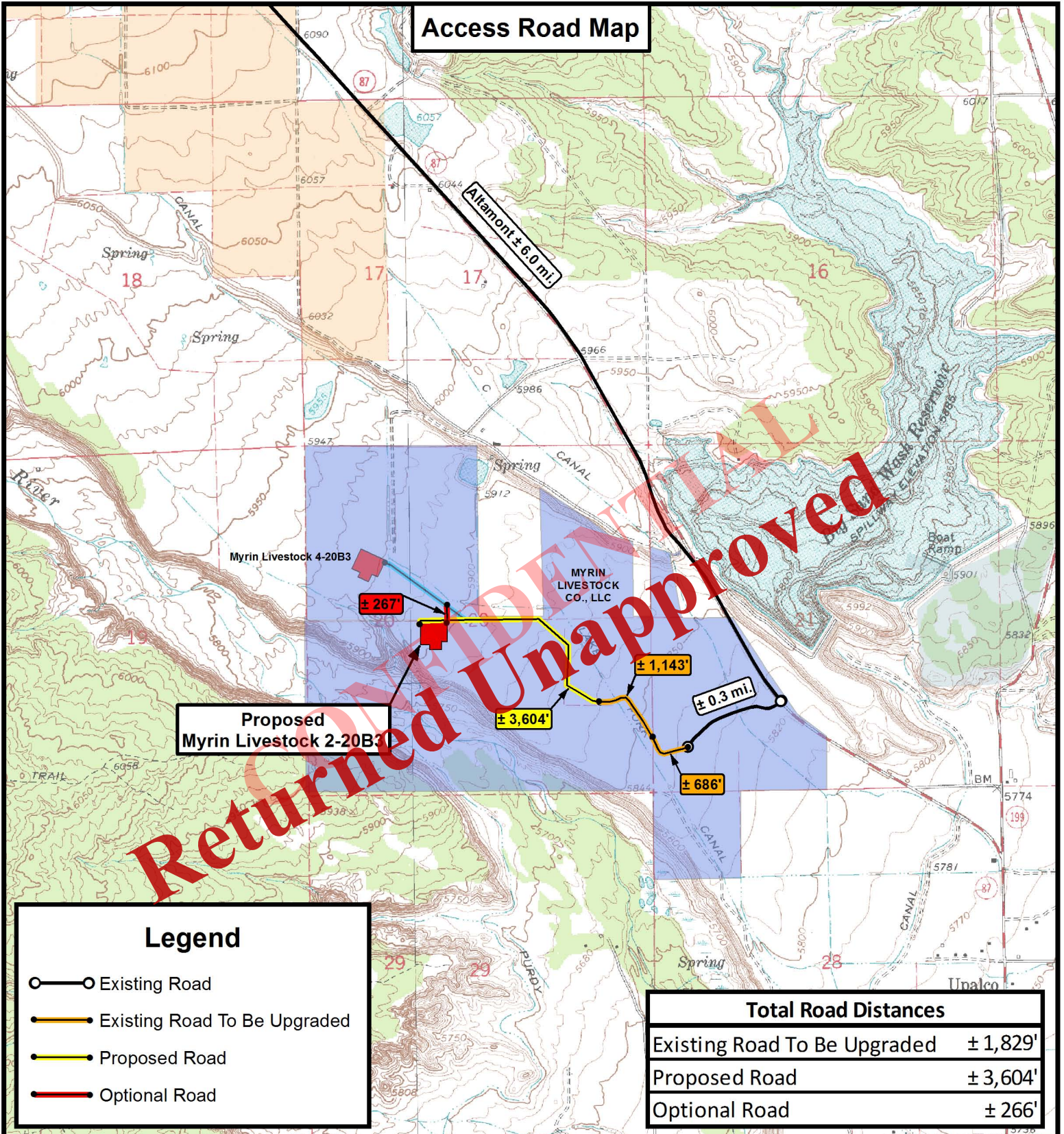
**TOPOGRAPHIC MAP**

SHEET  
**A**

Received: September 22, 2014



# Access Road Map



## Legend

- Existing Road
- Existing Road To Be Upgraded
- Proposed Road
- Optional Road

## Total Road Distances

Existing Road To Be Upgraded	± 1,829'
Proposed Road	± 3,604'
Optional Road	± 266'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## EP ENERGY E&P COMPANY, L.P.

Proposed Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY: A.P.C. REVISED:  
DATE: 08-06-14  
SCALE: 1" = 2,000'

TOPOGRAPHIC MAP

SHEET  
**B**

Received: September 22, 2014



# Exhibit "B" Map

Proposed  
Myrin Livestock 2-20B3

**Returned Unapproved**

## Legend

- 1 Mile Radius
- Proposed Location

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## EP ENERGY E&P COMPANY, L.P.

Proposed Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	08-06-14	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**C**





**Received: September 22, 2014**



# Proposed Pipeline Map

Proposed  
Myrin Livestock 2-20B3

## Legend

-  Existing Road
-  Existing Road To Be Upgraded
-  Proposed Road
-  Proposed Pipeline

## Total Pipeline Distances

Proposed Pipeline ± 6,700'

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518



## EP ENERGY E&P COMPANY, L.P.

Proposed Myrin Livestock 2-20B3  
Sec. 20, T2S, R3W, U.S.B.&M.  
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET

D

Received: September 22, 2014



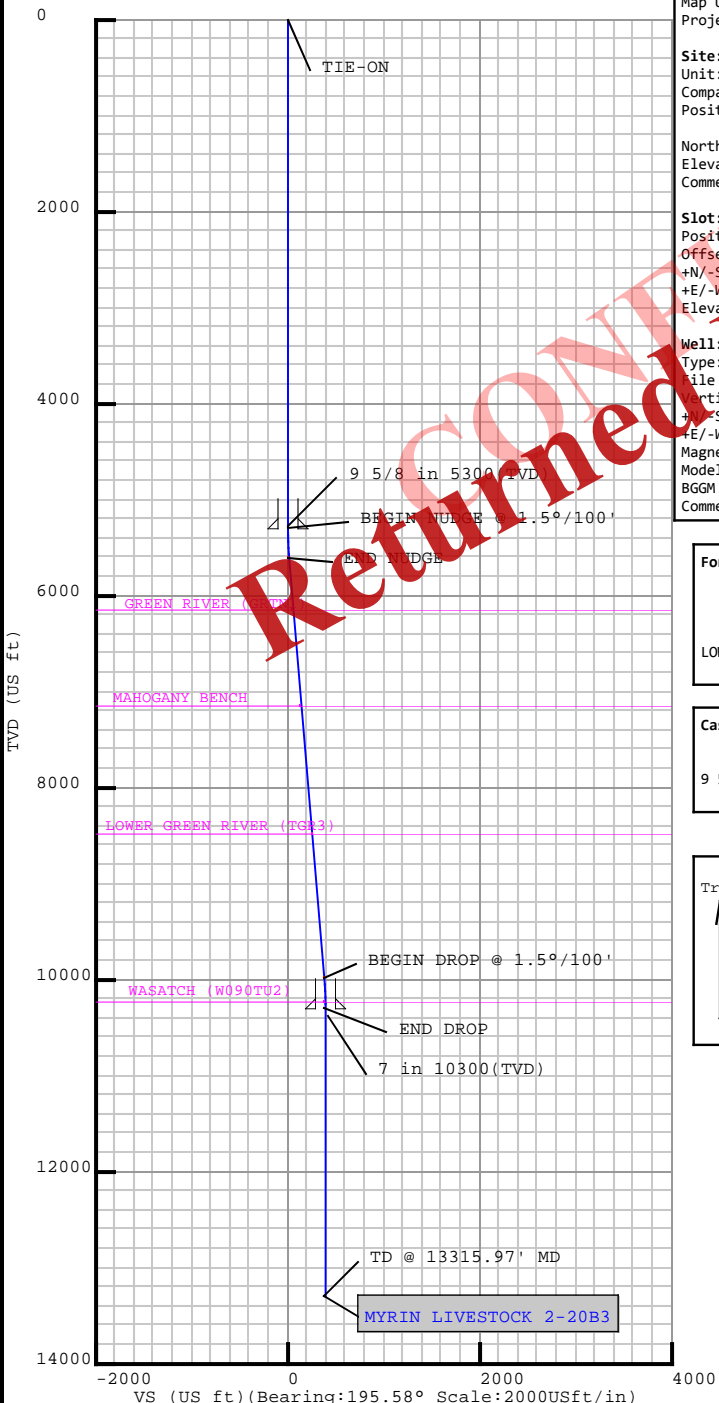
**5D Plan Report****EP ENERGY**

**Field Name:** UTAH\_ CENTRAL ZONE\_NAD83  
**Site Name:** MYRIN LIVESTOCK 2-20B3  
**Well Name:** MYRIN LIVESTOCK 2-20B3  
**Plan:** PLAN 1

12 September 2014

**Returned Unapproved**





Plan Data for MYRIN LIVESTOCK 2-20B3

Field: UTAH Central Zone\_NAD83  
 Map Unit: USFt Vertical Reference Datum (VRD):  
 Projected Coordinate System: NAD83 / Utah Central (ftUS)

Site: MYRIN LIVESTOCK 2-20B3  
 Unit: USFeet TVD Reference:  
 Company Name: EP ENERGY  
 Position: Northing: 7277972.68USft Latitude: 40.293224°  
 Easting: 1989195.91USft Longitude: -110.249593°  
 North Reference: True Grid Convergence: 0.80°  
 Elevation Above VRD: 0.00USft  
 Comment: DUCHESNE COUNTY, UT

Slot: MYRIN LIVESTOCK 2-20B3  
 Position:  
 Offset is from Site centre  
 +N/-S: 0.00USft Northing: 7277972.68USft Latitude: 40.293224°  
 +E/-W: 0.00USft Easting: 1989195.91USft Longitude: -110.249593°  
 Elevation Above VRD: 0.00USft

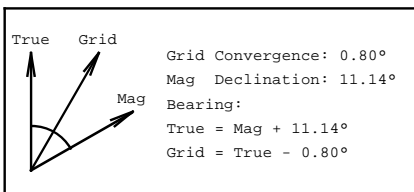
Well: MYRIN LIVESTOCK 2-20B3  
 Type: Main Well  
 File Number:  
 Vertical Section: Position offset of origin from Slot centre:  
 +N/-S: 0.00USft Azimuth: 195.58°  
 +E/-W: 0.00USft  
 Magnetic Parameters:  
 Model: Field Strength: Declination: Dip: Date:  
 BGGM 51984(nT) 11.14° 65.87° 2014-09-12  
 Comment: PRECISION 404 (17' RKB)

Formation Point Information:

Name	TVD (USft)	Elevation (USft)	MD (USft)
GREEN RIVER (GRTN1)	6155.00	-233.40	6157.24
MAHOGANY BENCH	7152.00	-1230.40	7157.72
LOWER GREEN RIVER (TGR3)	8482.00	-2560.40	8492.36
WASATCH (W090TU2)	10232.00	-4310.40	10247.96

Casing Point Information:

Name	MD (USft)	TVD (USft)
9 5/8 in	5300.00	5300.00
7 in	10315.97	10300.00

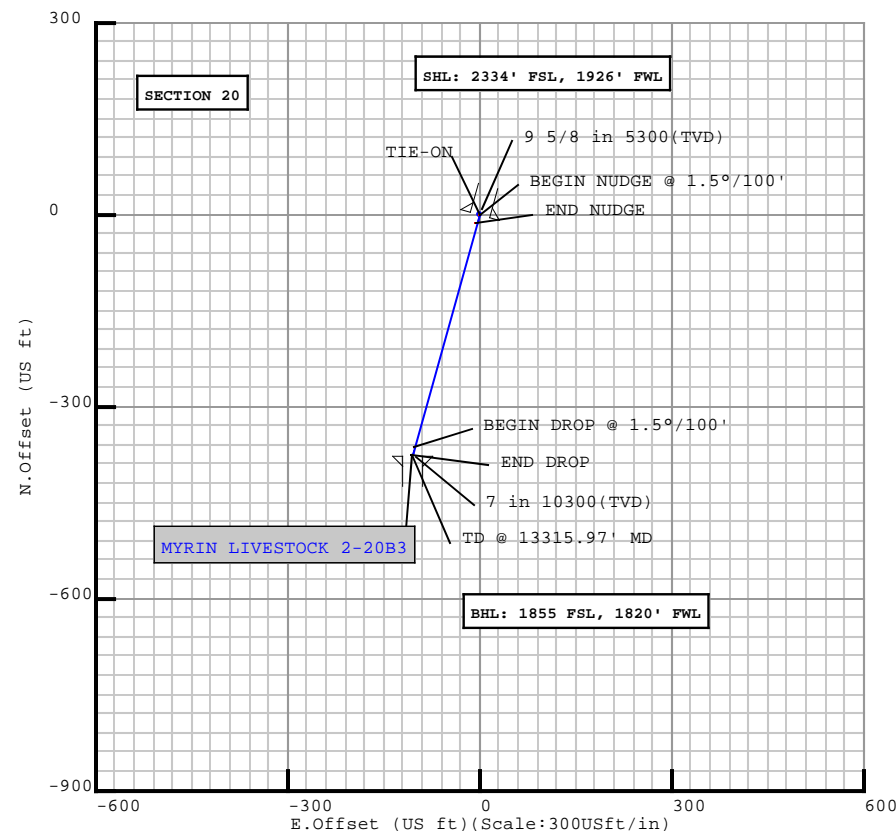


Plan Point Information:

MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5300.00	0.00	0.00	5300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5618.67	4.78	195.58	5618.30	-12.80	-3.57	13.28	1.50	195.6	1.50	0.00
9997.31	4.78	195.58	9981.71	-364.25	-101.60	378.16	0.00	0.00	0.00	0.00
10315.97	0.00	0.00	10300.00	-377.05	-105.17	391.44	1.50	180.0	-1.50	0.00
13315.97	0.00	0.00	13300.00	-377.05	-105.17	391.44	0.00	0.00	0.00	0.00

Target Set Information:

Name: MYRIN LIVESTOCK 2-20B3 PBHL (1855' FSL & 1820' FWL, SEC.20)  
 Name TVD Lat Long  
 (USft) (°) (°)  
 PBHL-1 13300.00 40.292189 -110.249970





## MYRIN LIVESTOCK 2-20B3

Field Name  UTAH_ CENTRAL ZONE_NAD83	Map Units : US ft		Company Name : EP ENERGY	
	Vertical Reference Datum (VRD) :			
	Projected Coordinate System : NAD83 / Utah Central (ftUS)			
	Comment :			
Site Name  MYRIN LIVESTOCK 2- 20B3	Units : US ft	North Reference : True	Convergence Angle : 0.80	
	Position	Northing : 7277972.68 US ft	Latitude : 40° 17' 35.61"	
		Easting : 1989195.91 US ft	Longitude : -110° 14' 58.53"	
	Elevation above VRD:5904.60 US ft			
Comment : DUCHESNE COUTY, UT				
Slot Name  MYRIN LIVESTOCK 2- 20B3	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 7277972.68 US ft	Latitude : 40°17'35.61"	
	+E / -W : 0.00 US ft	Easting : 1989195.91 US ft	Longitude : -110°14'58.53"	
	Slot TVD Reference : Ground Elevation			
	Elevation above VRD : 5904.60 US ft			
	Comment :			
Well Name  MYRIN LIVESTOCK 2- 20B3	Type : Main Well	UWI :	Plan : PLAN 1	
	Rig Height : 17.00 US ft	Comment : PRECISION 404 (17' RKB)		
	Relative to VRD: 5921.60 US ft			
	Closure Distance : 391.441 US ft	Closure Azimuth : 195.585°		
	Vertical Section (Position of Origin Relative to Slot )			
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az :195.58°	
Magnetic Parameters				

## 5D Plan Report

**Model :** BGGM      **Field Strength :** 51984.8nT      **Dec :** 11.14°      **Dip :** 65.87°      **Date :** 12/Sep/2014

Plan Archive					
Plan Folder	Date	Comment	Plans		
P1	12/Sep/2014		<b>Plan</b> P1:V1 PLAN 1	<b>Date</b> 12/Sep/2014 12/Sep/2014	<b>Comment</b>

## Target Set

**Name :** MYRIN LIVESTOCK 2-20B3 PBHL      **Number of Targets :** 1  
(1855'FSL & 1820'FWL, SEC.20)

## Comment :

TargetName:		Position (Relative to Slot centre)				
PBHL-1	+N / -S :	-377.03US ft	Northing :	7277594.22 US ft	Latitude :	40°17'31.88"
	+E / -W :	-105.16 US ft	Easting :	1989096.03US ft	Longitude :	-110°14'59.89"
Shape:	TVD (Drill Floor) : 13300.00 US ft					
Cuboid	Orientation	Azimuth : 0.00°	Inclination :	0.00°		
	Dimensions	Length : 1.00 US ft	Breadth : 1.00 US ft	Height :	1.00 US ft	

## Casing Points (Relative to Slot centre, TVD relative to Drill Floor)

Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)
9 5/8 in	5300.00	0.00	0.00	5300.00	0.00	0.00
7 in	10305.97	0.00	0.00	10300.00	-377.05	-105.17

## Well path created using minimum curvature

## Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Clos.Az (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	TIE-ON
100.00	0.00	0.00	100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
200.00	0.00	0.00	200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
400.00	0.00	0.00	400.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
500.00	0.00	0.00	500.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
600.00	0.00	0.00	600.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	

## 5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor )												
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Clos.Az (°)	Comment
700.00	0.00	0.00	700.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
800.00	0.00	0.00	800.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1000.00	0.00	0.00	1000.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1100.00	0.00	0.00	1100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1200.00	0.00	0.00	1200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1300.00	0.00	0.00	1300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1400.00	0.00	0.00	1400.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1500.00	0.00	0.00	1500.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1600.00	0.00	0.00	1600.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1700.00	0.00	0.00	1700.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1800.00	0.00	0.00	1800.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
1900.00	0.00	0.00	1900.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2000.00	0.00	0.00	2000.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2100.00	0.00	0.00	2100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2200.00	0.00	0.00	2200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2300.00	0.00	0.00	2300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2400.00	0.00	0.00	2400.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2500.00	0.00	0.00	2500.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2600.00	0.00	0.00	2600.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2700.00	0.00	0.00	2700.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2800.00	0.00	0.00	2800.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
2900.00	0.00	0.00	2900.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3000.00	0.00	0.00	3000.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3100.00	0.00	0.00	3100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3200.00	0.00	0.00	3200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3300.00	0.00	0.00	3300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3400.00	0.00	0.00	3400.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3500.00	0.00	0.00	3500.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3600.00	0.00	0.00	3600.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3700.00	0.00	0.00	3700.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3800.00	0.00	0.00	3800.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
3900.00	0.00	0.00	3900.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4000.00	0.00	0.00	4000.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4100.00	0.00	0.00	4100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4200.00	0.00	0.00	4200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4300.00	0.00	0.00	4300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4400.00	0.00	0.00	4400.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4500.00	0.00	0.00	4500.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4600.00	0.00	0.00	4600.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4700.00	0.00	0.00	4700.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	

## 5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor )												
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Clos.Az (°)	Comment
4800.00	0.00	0.00	4800.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
4900.00	0.00	0.00	4900.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
5000.00	0.00	0.00	5000.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
5200.00	0.00	0.00	5200.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	
5300.00	0.00	0.00	5300.00	0.00	0.00	40°17'35.61"	-110°14'58.53"	0.00	0.00	-0.00	0.00	BEGIN NUDGE @ 1.5°/100'; 9 5/8 in
5400.00	1.50	195.58	5399.99	-1.26	-0.35	40°17'35.59"	-110°14'58.54"	1.50	195.58	1.31	195.58	
5500.00	3.00	195.58	5499.91	-5.04	-1.41	40°17'35.56"	-110°14'58.55"	1.50	0.00	5.23	195.58	
5600.00	4.50	195.58	5599.69	-11.34	-3.16	40°17'35.49"	-110°14'58.58"	1.50	0.00	11.77	195.58	
5618.67	4.78	195.58	5618.30	-12.80	-3.57	40°17'35.48"	-110°14'58.58"	1.50	0.00	13.28	195.58	END NUDGE
5700.00	4.78	195.58	5699.35	-19.32	-5.39	40°17'35.42"	-110°14'58.60"	0.00	0.00	20.06	195.58	
5800.00	4.78	195.58	5799.00	-27.35	-7.63	40°17'35.34"	-110°14'58.63"	0.00	0.00	28.40	195.58	
5900.00	4.78	195.58	5898.65	-35.38	-9.87	40°17'35.26"	-110°14'58.66"	0.00	0.00	36.73	195.58	
6000.00	4.78	195.58	5998.30	-43.40	-12.11	40°17'35.18"	-110°14'58.69"	0.00	0.00	45.06	195.58	
6100.00	4.78	195.58	6097.96	-51.43	-14.35	40°17'35.10"	-110°14'58.72"	0.00	0.00	53.39	195.58	
6157.24	4.78	195.58	6155.00	-56.03	-15.63	40°17'35.05"	-110°14'58.74"	0.00	0.00	58.16	195.58	GREEN RIVER (GRTN1) :
6200.00	4.78	195.58	6197.61	-59.46	-16.58	40°17'35.02"	-110°14'58.75"	0.00	0.00	61.73	195.58	
6300.00	4.78	195.58	6297.26	-67.48	-17.82	40°17'34.94"	-110°14'58.78"	0.00	0.00	70.06	195.58	
6400.00	4.78	195.58	6396.91	-75.51	-21.06	40°17'34.86"	-110°14'58.81"	0.00	0.00	78.39	195.58	
6500.00	4.78	195.58	6496.57	-83.54	-23.30	40°17'34.78"	-110°14'58.84"	0.00	0.00	86.73	195.58	
6600.00	4.78	195.58	6596.22	-91.56	-25.54	40°17'34.70"	-110°14'58.86"	0.00	0.00	95.06	195.58	
6700.00	4.78	195.58	6695.87	-99.59	-27.78	40°17'34.62"	-110°14'58.89"	0.00	0.00	103.39	195.58	
6800.00	4.78	195.58	6795.52	-107.62	-30.02	40°17'34.54"	-110°14'58.92"	0.00	0.00	111.73	195.58	
6900.00	4.78	195.58	6895.17	-115.64	-32.26	40°17'34.46"	-110°14'58.95"	0.00	0.00	120.06	195.58	
7000.00	4.78	195.58	6994.81	-123.67	-34.49	40°17'34.38"	-110°14'58.98"	0.00	0.00	128.39	195.58	
7100.00	4.78	195.58	7094.48	-131.70	-36.73	40°17'34.30"	-110°14'59.01"	0.00	0.00	136.72	195.58	
7157.72	4.78	195.58	7152.00	-136.33	-38.02	40°17'34.26"	-110°14'59.03"	0.00	0.00	141.53	195.58	MAHOGANY BENCH :
7200.00	4.78	195.58	7194.13	-139.72	-38.97	40°17'34.23"	-110°14'59.04"	0.00	0.00	145.06	195.58	
7300.00	4.78	195.58	7293.78	-147.75	-41.21	40°17'34.15"	-110°14'59.07"	0.00	0.00	153.39	195.58	
7400.00	4.78	195.58	7393.44	-155.78	-43.45	40°17'34.07"	-110°14'59.10"	0.00	0.00	161.72	195.58	
7500.00	4.78	195.58	7493.09	-163.80	-45.69	40°17'33.99"	-110°14'59.12"	0.00	0.00	170.06	195.58	
7600.00	4.78	195.58	7592.74	-171.83	-47.93	40°17'33.91"	-110°14'59.15"	0.00	0.00	178.39	195.58	
7700.00	4.78	195.58	7692.39	-179.86	-50.17	40°17'33.83"	-110°14'59.18"	0.00	0.00	186.72	195.58	
7800.00	4.78	195.58	7792.04	-187.88	-52.40	40°17'33.75"	-110°14'59.21"	0.00	0.00	195.05	195.58	
7900.00	4.78	195.58	7891.70	-195.91	-54.64	40°17'33.67"	-110°14'59.24"	0.00	0.00	203.39	195.58	
8000.00	4.78	195.58	7991.35	-203.94	-56.88	40°17'33.59"	-110°14'59.27"	0.00	0.00	211.72	195.58	
8100.00	4.78	195.58	8091.00	-211.96	-59.12	40°17'33.51"	-110°14'59.30"	0.00	0.00	220.05	195.58	
8200.00	4.78	195.58	8190.65	-219.99	-61.36	40°17'33.43"	-110°14'59.33"	0.00	0.00	228.39	195.58	

## 5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)												
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Clos.Az (°)	Comment
8300.00	4.78	195.58	8290.30	-228.02	-63.60	40°17'33.35"	-110°14'59.36"	0.00	0.00	236.72	195.58	LOWER GREEN RIVER (TGR3) :
8400.00	4.78	195.58	8389.96	-236.04	-65.84	40°17'33.27"	-110°14'59.38"	0.00	0.00	245.05	195.58	
8492.36	4.78	195.58	8482.00	-243.46	-67.90	40°17'33.20"	-110°14'59.41"	0.00	0.00	252.75	195.58	
8500.00	4.78	195.58	8489.61	-244.07	-68.08	40°17'33.19"	-110°14'59.41"	0.00	0.00	253.39	195.58	
8600.00	4.78	195.58	8589.26	-252.10	-70.31	40°17'33.12"	-110°14'59.44"	0.00	0.00	261.72	195.58	
8700.00	4.78	195.58	8688.91	-260.12	-72.55	40°17'33.04"	-110°14'59.47"	0.00	0.00	270.05	195.58	
8800.00	4.78	195.58	8788.57	-268.15	-74.79	40°17'32.96"	-110°14'59.50"	0.00	0.00	278.38	195.58	
8900.00	4.78	195.58	8888.22	-276.18	-77.03	40°17'32.88"	-110°14'59.53"	0.00	0.00	286.72	195.58	
9000.00	4.78	195.58	8987.87	-284.20	-79.27	40°17'32.80"	-110°14'59.56"	0.00	0.00	295.05	195.58	
9100.00	4.78	195.58	9087.52	-292.23	-81.51	40°17'32.72"	-110°14'59.59"	0.00	0.00	303.38	195.58	
9200.00	4.78	195.58	9187.17	-300.26	-83.75	40°17'32.64"	-110°14'59.62"	0.00	0.00	311.72	195.58	BEGIN DROP @ 1.5°/100'
9300.00	4.78	195.58	9286.83	-308.28	-85.99	40°17'32.56"	-110°14'59.64"	0.00	0.00	320.05	195.58	
9400.00	4.78	195.58	9386.48	-316.31	-88.22	40°17'32.48"	-110°14'59.67"	0.00	0.00	328.38	195.58	
9500.00	4.78	195.58	9486.13	-324.34	-90.46	40°17'32.40"	-110°14'59.70"	0.00	0.00	336.72	195.58	
9600.00	4.78	195.58	9585.78	-332.36	-92.70	40°17'32.32"	-110°14'59.73"	0.00	0.00	345.05	195.58	
9700.00	4.78	195.58	9685.44	-340.39	-94.94	40°17'32.24"	-110°14'59.76"	0.00	0.00	353.38	195.58	
9800.00	4.78	195.58	9785.09	-348.42	-97.18	40°17'32.16"	-110°14'59.79"	0.00	0.00	361.71	195.58	
9900.00	4.78	195.58	9884.74	-356.44	-99.42	40°17'32.08"	-110°14'59.82"	0.00	0.00	370.05	195.58	
9997.31	4.78	195.58	9981.71	-364.25	-101.60	40°17'32.01"	-110°14'59.85"	0.00	0.00	378.16	195.58	
10000.00	4.74	195.58	9984.39	-364.47	-101.85	40°17'32.00"	-110°14'59.85"	1.50	180.00	378.38	195.58	WASATCH (W090TU2) :
10100.00	3.24	195.58	10084.15	-371.17	-103.58	40°17'31.94"	-110°14'59.87"	1.50	180.00	385.34	195.58	
10200.00	1.74	195.58	10184.05	-375.21	-104.69	40°17'31.90"	-110°14'59.89"	1.50	180.00	389.68	195.58	
10247.96	1.02	195.58	10232.00	-376.47	-105.00	40°17'31.89"	-110°14'59.89"	1.50	180.00	390.84	195.58	
10300.00	0.24	195.58	10284.05	-377.02	-105.16	40°17'31.88"	-110°14'59.89"	1.50	180.00	391.41	195.58	
10315.97	0.00	0.00	10330.00	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	1.50	180.00	391.44	195.58	
10400.00	0.00	0.00	10384.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
10500.00	0.00	0.00	10484.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
10600.00	0.00	0.00	10584.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
10700.00	0.00	0.00	10684.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
10800.00	0.00	0.00	10784.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	END DROP; 7 in
10900.00	0.00	0.00	10884.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11000.00	0.00	0.00	10984.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11100.00	0.00	0.00	11084.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11200.00	0.00	0.00	11184.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11300.00	0.00	0.00	11284.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11400.00	0.00	0.00	11384.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11500.00	0.00	0.00	11484.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11600.00	0.00	0.00	11584.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11700.00	0.00	0.00	11684.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	



## 5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor )												
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (° ' ")	Longitude (° ' ")	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Clos.Az (°)	Comment
11800.00	0.00	0.00	11784.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
11900.00	0.00	0.00	11884.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12000.00	0.00	0.00	11984.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12100.00	0.00	0.00	12084.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12200.00	0.00	0.00	12184.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12300.00	0.00	0.00	12284.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12400.00	0.00	0.00	12384.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12500.00	0.00	0.00	12484.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12600.00	0.00	0.00	12584.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12700.00	0.00	0.00	12684.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12800.00	0.00	0.00	12784.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
12900.00	0.00	0.00	12884.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
13000.00	0.00	0.00	12984.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
13100.00	0.00	0.00	13084.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
13200.00	0.00	0.00	13184.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
13300.00	0.00	0.00	13284.03	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	
13315.97	0.00	0.00	13300.00	-377.05	-105.17	40°17'31.88"	-110°14'59.89"	0.00	0.00	391.44	195.58	TD @ 13315.97' MD

Formation Points (Relative to Slot centre, TVD relative to Drill Floor )								
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	F.Dip (°)	F.Dir (°)
GREEN RIVER (GRTN1)	6157.24	4.78	195.58	6155.00	-56.03	-15.63	0	0
MAHOGANY BENCH	7157.72	4.78	195.58	7152.00	-136.33	-38.02	0	0
LOWER GREEN RIVER (TGR3)	8492.36	4.78	195.58	8482.00	-243.46	-67.90	0	0
WASATCH (W090TU2)	10247.96	1.02	195.58	10232.00	-376.47	-105.00	0	0

August 26, 2014

State of Utah Division of Oil, Gas and Mining  
Attn: Mr. Brad Hill  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill  
Myrin Livestock 2-20B3  
SHL/BHL: 2,334' FSL & 1,926' FWL; 1,855' FSL, 1,820' FWL  
NW/4SW/4 of Section 20, Township 2 South, Range 3 West  
Duchesne County, Utah

Dear Mr. Hill:

In accordance with the rules and regulations of the State of Utah, EP Energy E&P Company, L.P. ("EP Energy") is submitting an Application for Permit to Drill ("APD") for the proposed Myrin Livestock 2-20B3 ("Well") to the Utah Division of Oil, Gas & Mining ("UDOGM"). Concurrently with the filing of the APD for the Well, this *Application for Permit to Drill* letter hereby serves as notice to UDOGM that EP Energy is actively working to finalize the Surface Use and Right-of-Way Agreement ("Surface Agreement") with the surface owner of the Well, whose contact information is as follows ("Surface Owner"):

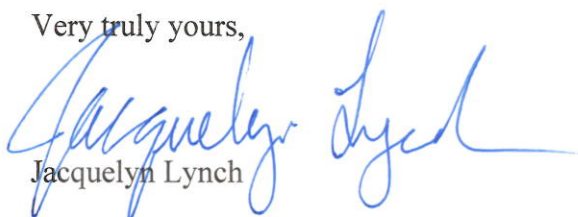
Myrin Livestock Co., LLC  
Attn: Mr. N. Alarik Myrin  
HC 65 Box 30  
Altamont, UT 84001  
Telephone: (435) 454-3494

EP Energy has been diligently negotiating in good-faith with the Surface Owner for several months and is nearing an agreement on the Surface Agreements for the proposed Well. Although EP Energy is confident the Surface Agreements will be executed soon, we are filing the APD without the executed Surface Agreements due to the demands of our drilling schedule. This will allow UDOGM to begin the permitting process as EP Energy finalizes the Surface Agreements. The Affidavit of Surface Agreements ("Affidavit") will be forwarded directly to your office as soon as the Surface Agreements are executed.

UDOGM's effort to begin processing the APD without the executed Surface Agreements is greatly appreciated. EP Energy fully understands the APD will not be approved until we submit the Affidavit or otherwise comply with the Surface Owner Protection Act Provision R649-3-38.

If you have any further questions, please feel free to contact me at your convenience using the phone number and/or email address below.

Very truly yours,

  
Jacquelyn Lynch

EP Energy E&P Company, L.P.  
Landman  
1001 Louisiana Street, Suite 2525D  
Houston, Texas 77002  
Office: (713) 997-5747  
Jacquelyn.Lynch@EPEnergy.com

EP Energy E&P Company, L.P.

**Related Surface Information**

1. **Current Surface Use:**

- Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**

- The road will be crown and ditch. Water wings will be constructed on the access road as needed.
- The topsoil will be windrowed and re-spread in the borrow area.
- New road to be constructed will be approximately .68 miles in length and 66 feet wide.
- All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**

- Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**

- Drilling water: Duchesne City Water

5. **Existing/Proposed Facilities For Productive Well:**

- There are no existing facilities that will be utilized for this well.
- A pipeline corridor .68 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
- Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**

- Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**

- The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of 1½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be placed in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
- Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
- Sewage will be handled in Portable Toilets.
- Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
- Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**

- There will be no ancillary facilities associated with this project.

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15<sup>th</sup>, and prior to ground frost, or seed will be planted after the frost has left and before May 15<sup>th</sup>. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.
  1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
  2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
  3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.
- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.
  1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
  2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Myrin Livestock Co., LLC  
Attn: Mr. N. Alarik Myrin  
HC 65 Box 30  
Altamont, Utah 84001  
435-454-3494

**Other Information:**

- The surface soil consists of clay and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

• **Operator and Contact Persons:**

**Construction and Reclamation:**

EP Energy E&P Company, L.P.  
Wayne Garner  
PO Box 410  
Altamont, Utah 84001  
435-454-3394 – Office  
435-823-1490 – Cell

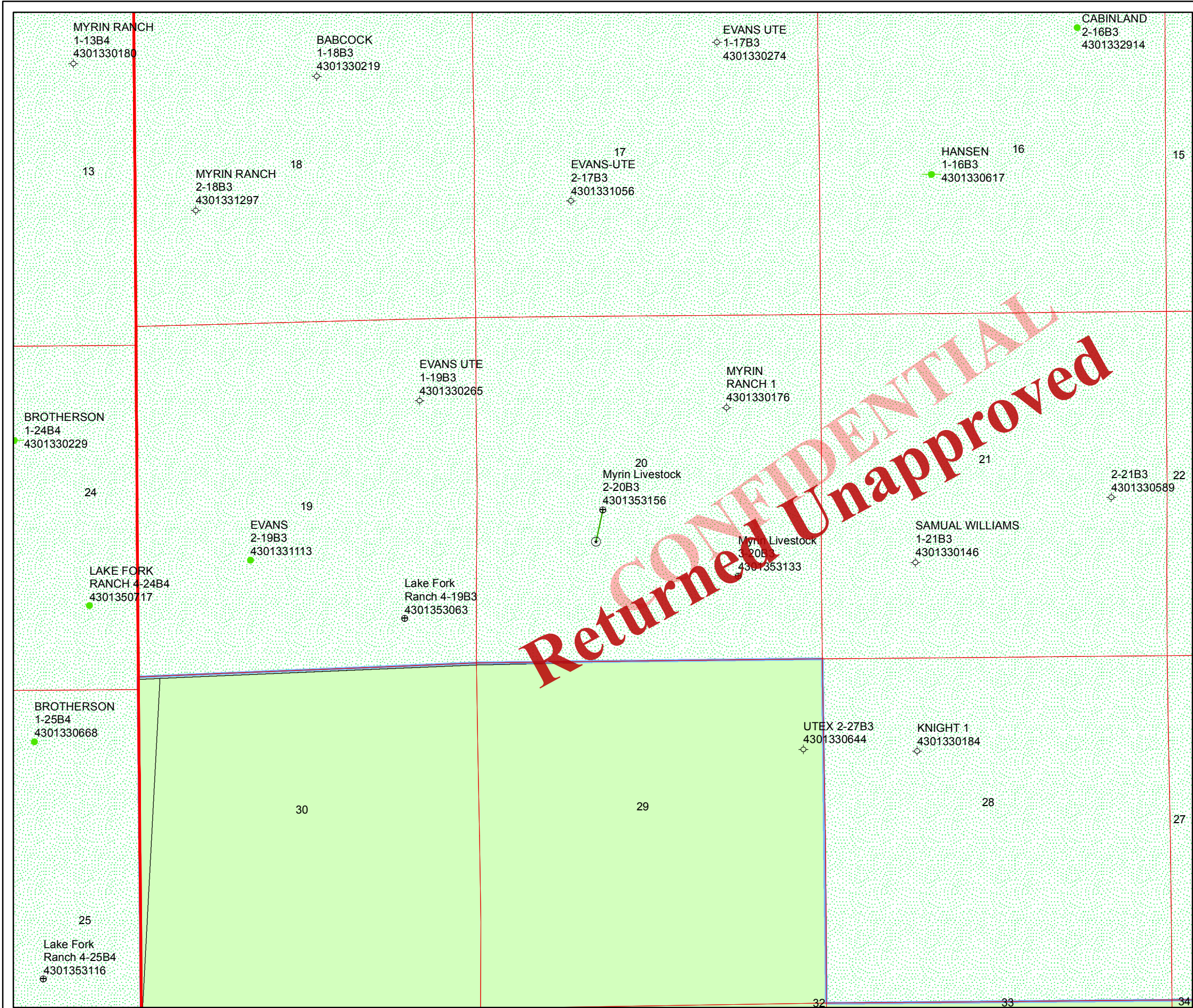
**Regarding This APD**

EP Energy E&P Company, L.P.  
Maria S. Gomez  
1001 Louisiana, Rm 2730D  
Houston, Texas 77002  
713-997-5038 – Office

**Drilling**

EP Energy E&P Company, L.P.  
Brad MacAfee – Drilling Engineer  
1001 Louisiana, Rm 2660D  
Houston, Texas 77002  
713-997-6383 – office  
281-813-0902 – Cell





**API Number:43-013-53156**  
**Well Name: Myrin Livestock 2-20B3**  
Township: 2S   Range: 3W   Section: 20   Meridian: USM  
Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared: Sept 26, 2014  
Map Produced by Lisha Cordova

**Wells Query**

**Status**

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WW - Water Injection Well
- WSW - Water Supply Well

**Units**

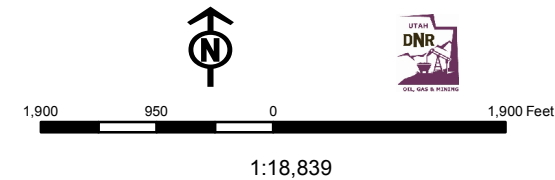
**STATUS**

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Fields**

**STATUS**

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED







GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

September 23, 2016

EP ENERGY E&P COMPANY, L.P.  
1001 Louisiana  
Houston, TX 77002

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Myrin Livestock 2-20B3 well, API 43013531560000 that was submitted September 22, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



